

# TIROS VIII ATTITUDE SUMMARY

(ORBITS 4000 - 8938)

VOLUME II

ADRIENNE ZENUK

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**ARACON GEOPHYSICS  
CONCORD, MASSACHUSETTS  
A DIVISION OF ALLIED RESEARCH ASSOCIATES, INC.**

DECEMBER 1965

FOURTH TECHNICAL SUMMARY REPORT

UNDER

CONTRACT No. NAS 5-9547

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GODDARD SPACE FLIGHT CENTER  
AERONOMY AND METEOROLOGY DIVISION  
GREENBELT, MARYLAND

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## SECTION 1

### INTRODUCTION

This report provides TIROS VIII operational Definitive Attitude Data for orbits 4000-8938, covering the period 22 September 1964 to 29 August 1965. Because of the extended lifetime of TIROS VIII, considerably more attitude data are available than from previous TIROS satellites. Consequently, it has become necessary to publish these data in separate volumes. Similar data for the first 4000 orbits of TIROS VIII were presented in Volume I of this series. \*

It was the responsibility of ARACON Geophysics Company during the TIROS VIII operations to provide definitive and predictive attitude on satellite spin-axis (camera) orientation. Attitude determinations were made by ARACON personnel at the Data Acquisition Stations as rapidly as possible and compiled daily in the form of an Operational Definitive Attitude Message (ODAM) for teletype transmission to the various users. This report summarizes the daily ODA M transmissions in graphical and tabular form.

Volume I and Appendix A of Reference 1 provide detailed descriptions of the sources and procedures used in derivation of the attitude data presented in this report.

This report represents the final volume of the TIROS VIII data to be published by ARACON Geophysics Company. Effective 1 September 1965, this function is to be assumed by the NASA.

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\* Zenuk, A., 1965: TIROS VIII Attitude Summary, Volume I, First Technical Summary Report under Contract No. NAS 5-9547, ARACON Geophysics Company, Concord, Massachusetts

## SECTION 2

### GRAPHICAL PRESENTATION OF DATA

The data contained in the daily ODAM transmissions were compiled and are presented in this section in graphical form. Figure 2-1 shows the progress of  $n_o$  (dashed) and  $t_o$  (solid) plotted against orbit number.\* Figure 2-2 presents the attitude data in celestial coordinates (right ascension and declination) plotted against orbit number.

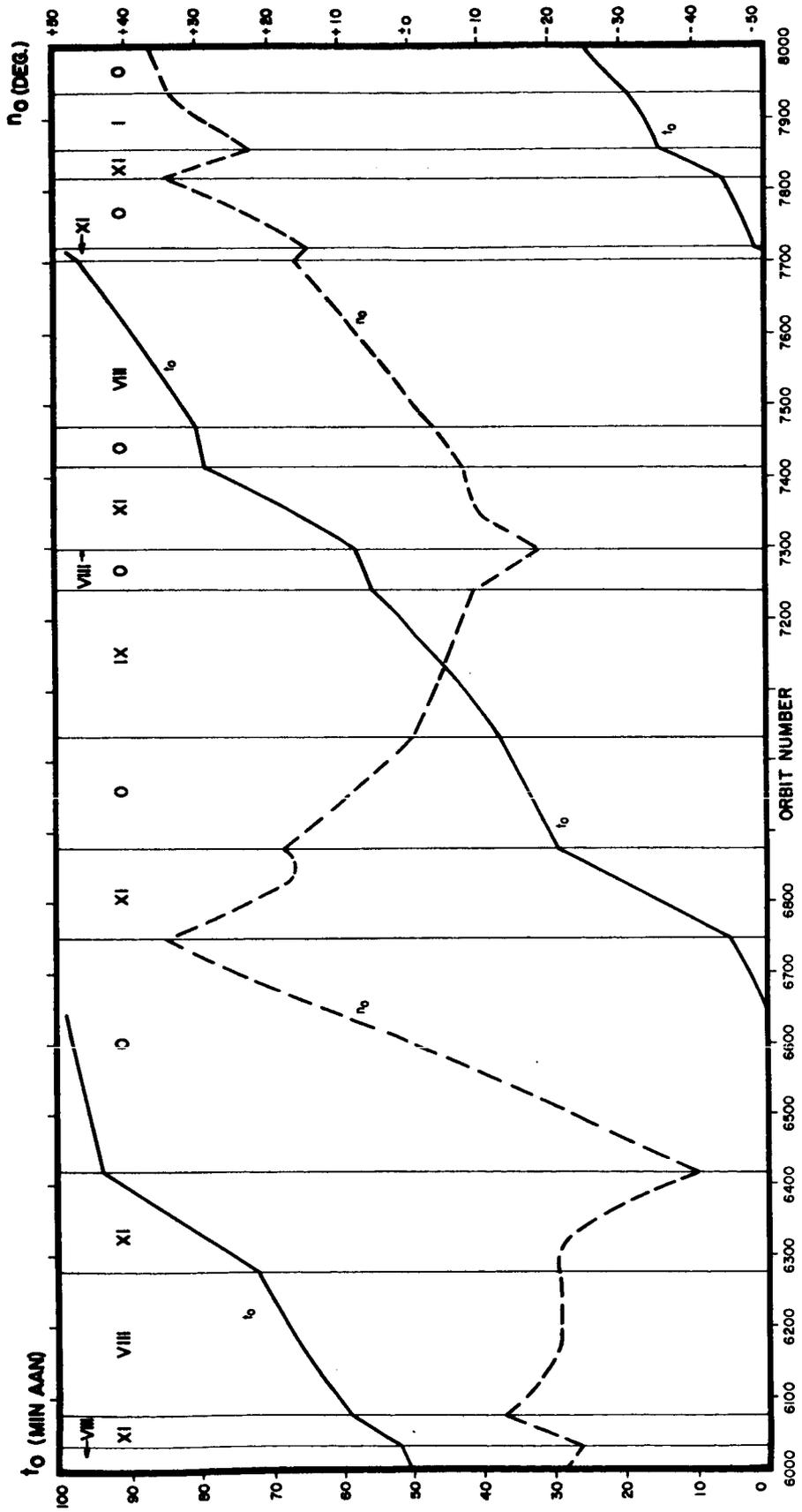
In both figures, the solid vertical lines indicate changes in the Magnetic Attitude Control (MAC) Switch position;<sup>2</sup> the actual switch position is indicated in Roman numerals near the top of the diagram. Dashed vertical lines show satellite spinup. Precise orbit numbers during which MAC switch changes and spinups occurred may be obtained from Table A-2.

Figure 2-3 is a graph of  $n_o$  vs.  $t_o$ . These parameters are plotted for each Julian Day (labeled every fifth day) at 1200 UT for Julian Days 276 through 616.

---

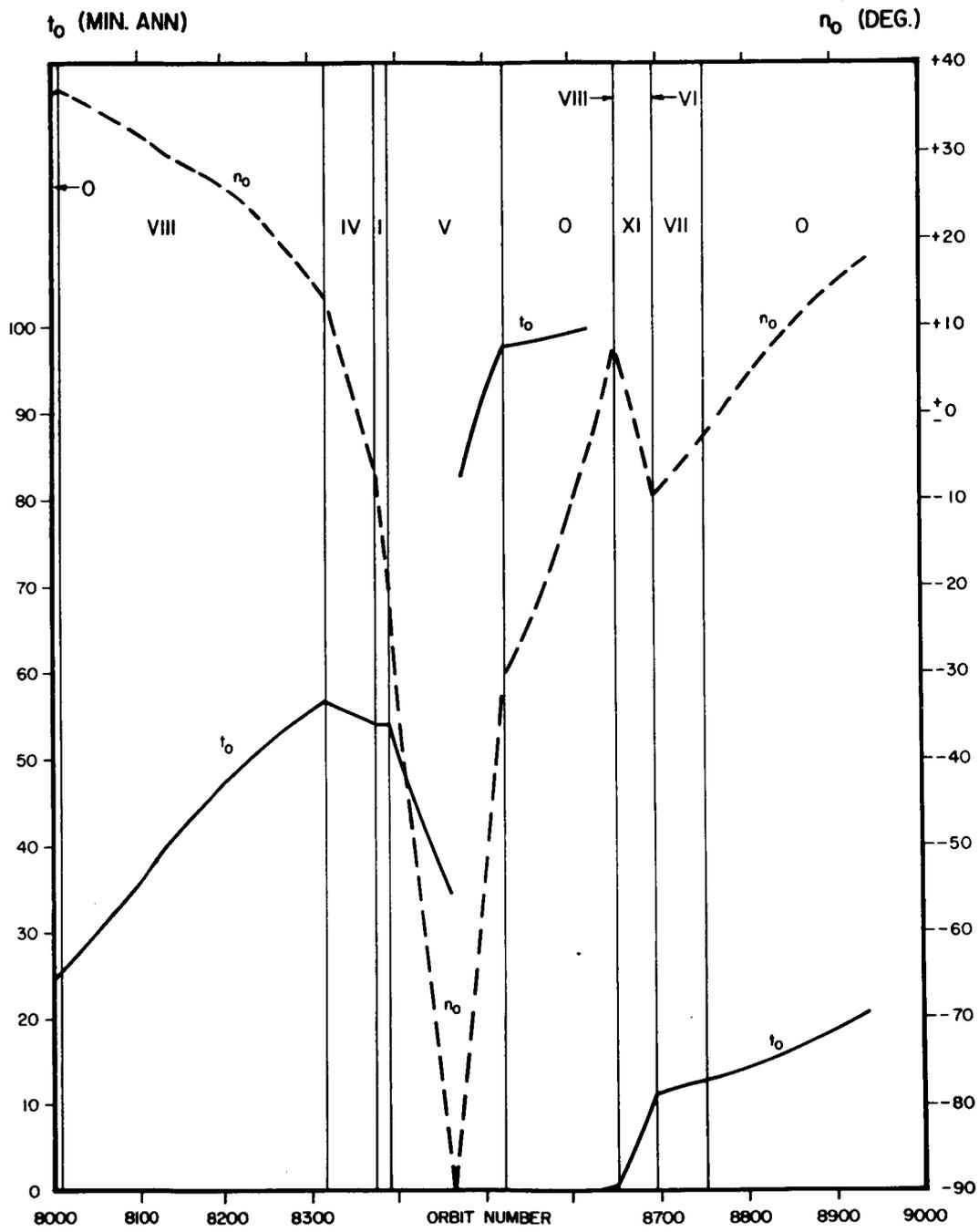
\*  $n_o$  is the minimum nadir angle of the satellite camera axis during an orbit;  $t_o$  is the time in minutes, after ascending node, at which  $n_o$  occurs.





TIROS VIII OPERATIONAL DEFINITIVE ATTITUDE PARAMETERS ( $n_0, t_0$ )

FIG. 2-1 (CONT'D)



TIROS VIII OPERATIONAL DEFINITIVE ATTITUDE PARAMETERS ( $n_0, t_0$ )

FIG. 2-1 (CONT'D)

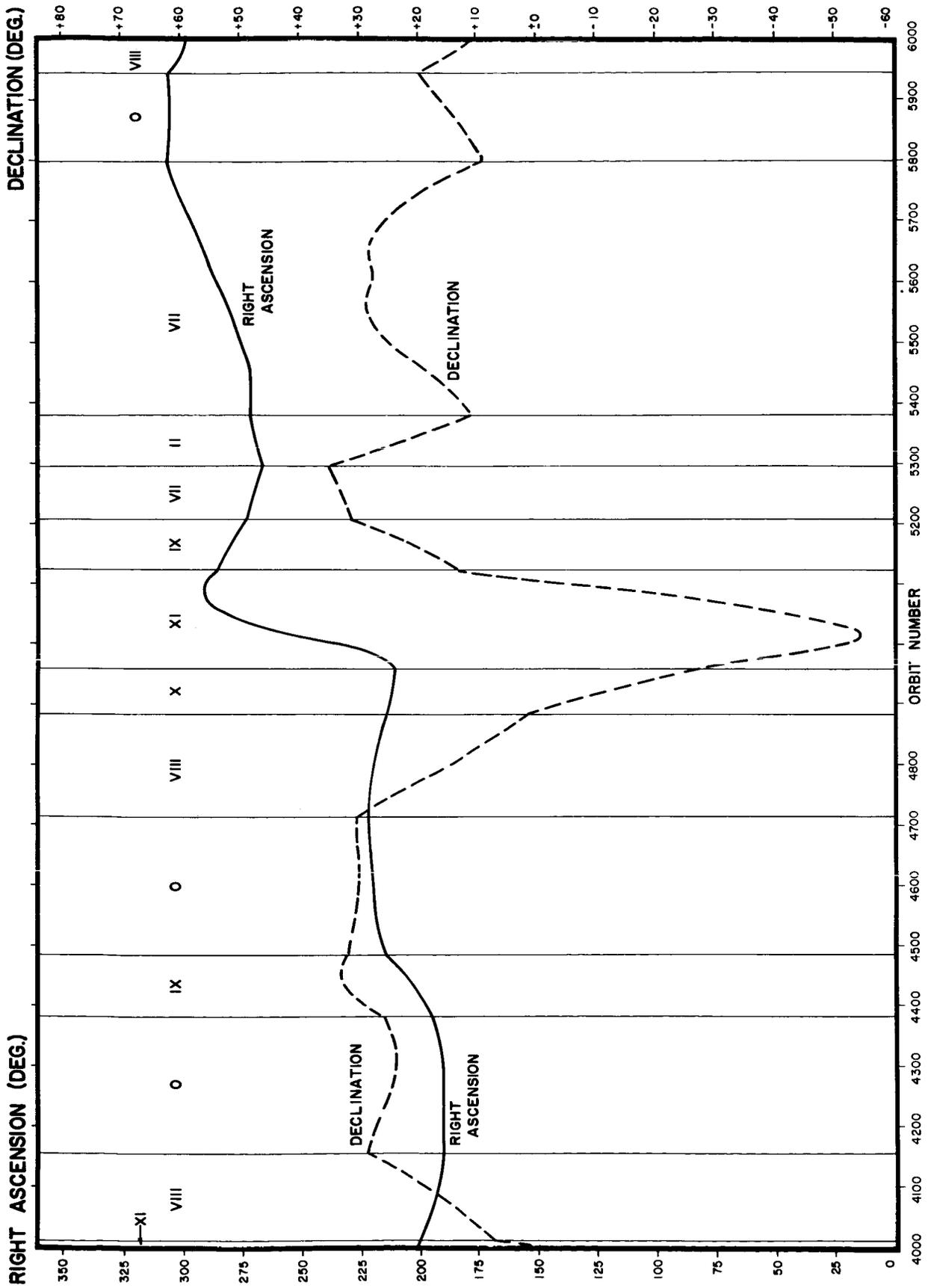


FIG. 2-2 TIROS VIII OPERATIONAL DEFINITIVE ATTITUDE PARAMETERS (R.A., Dec.)

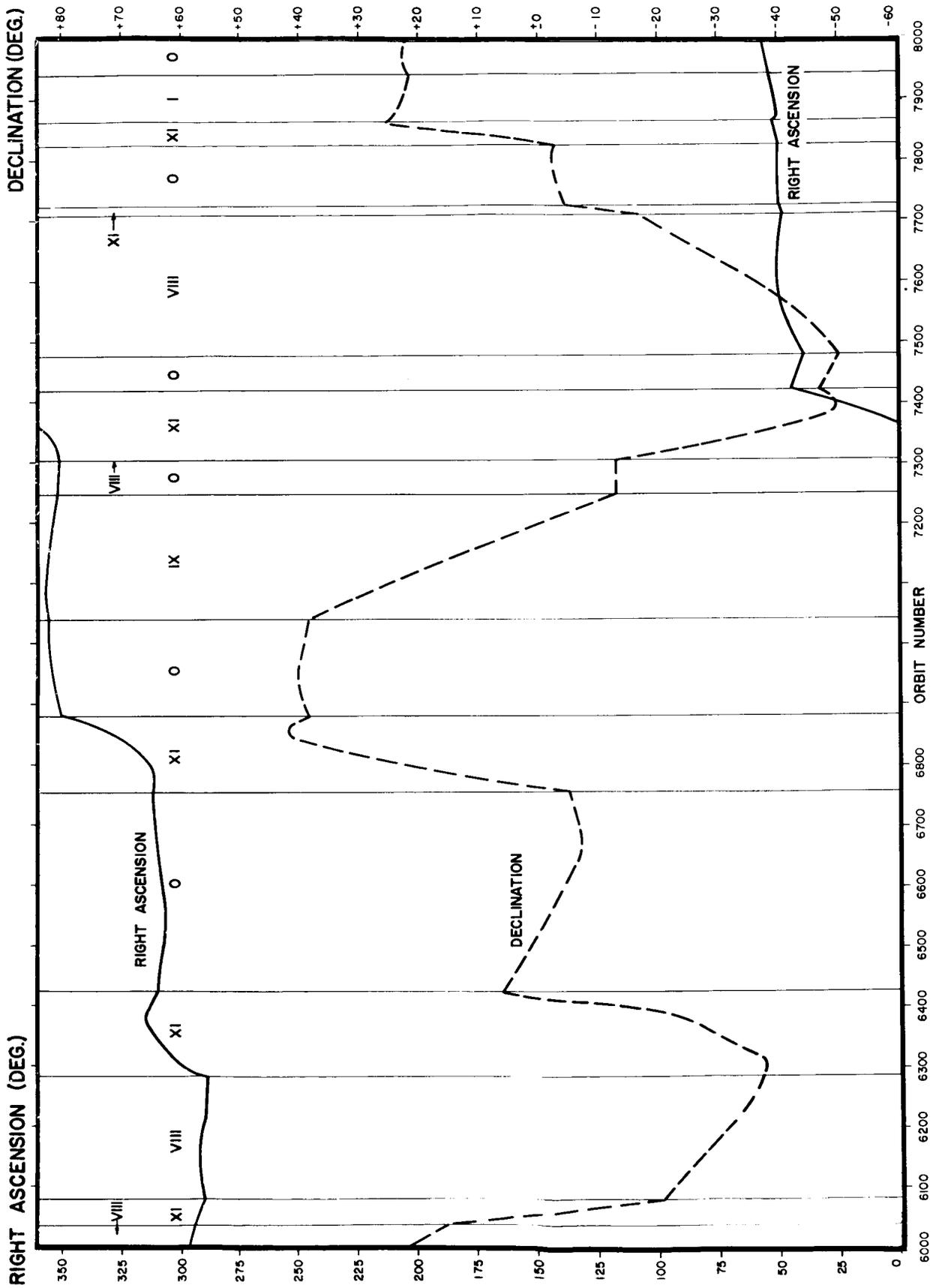
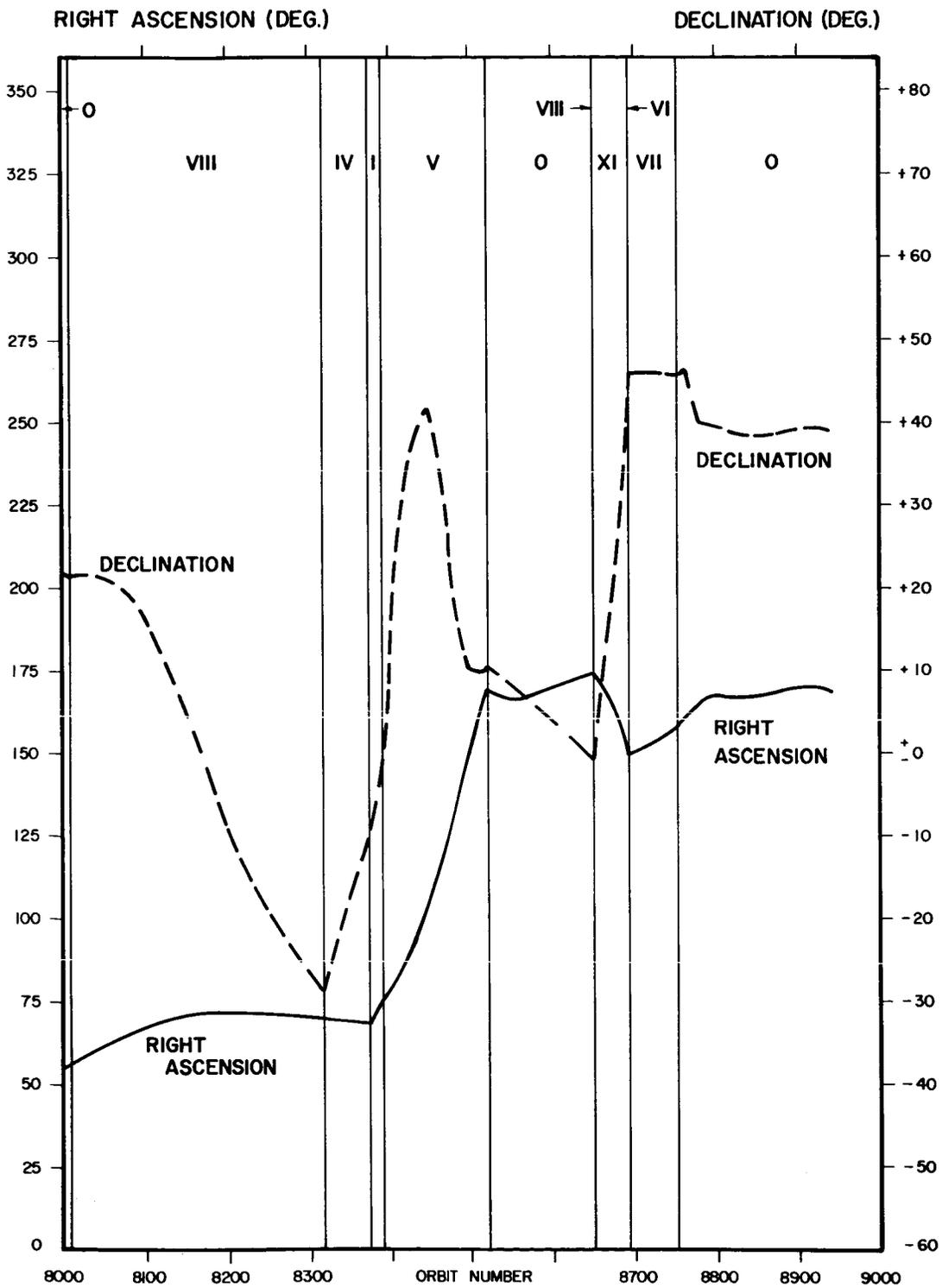
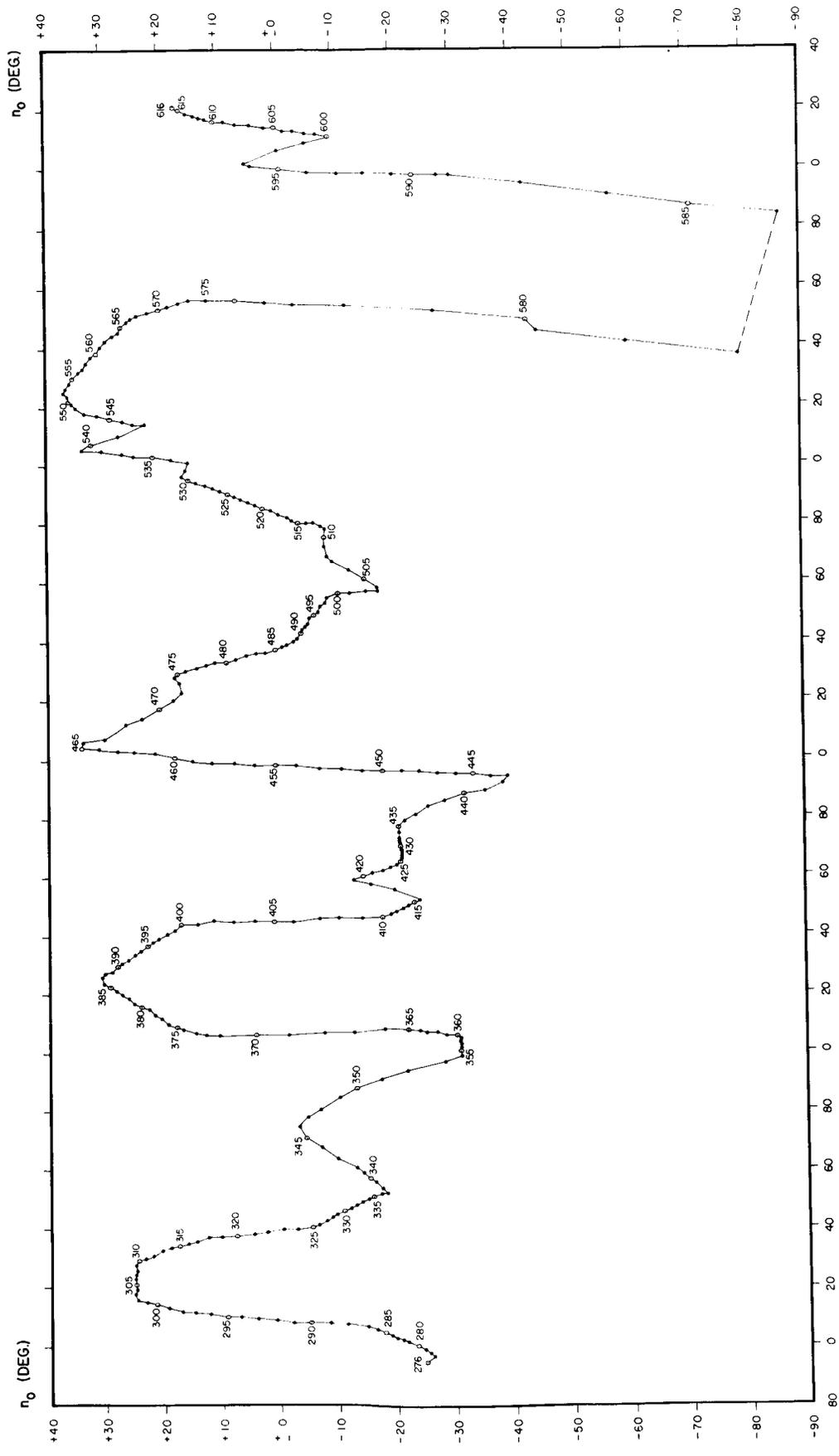


FIG. 2-2 (CONT'D) TIROS VIII OPERATIONAL DEFINITIVE ATTITUDE PARAMETERS (R.A., Dec.)



TIROS VIII OPERATIONAL DEFINITIVE ATTITUDE PARAMETERS (R.A., Deg)

FIG. 2-2 (CONT'D)



$t_0$  (MINUTES AFTER ASCENDING NODE)

FIG. 2-3 TIROS VIII ATTITUDE PARAMETERS ( $n_0, t_0$ ) AT 1200 UT

## APPENDIX A

### OPERATIONAL DEFINITIVE ATTITUDE DATA TABULATIONS

#### A.1 NOMENCLATURE

This appendix contains the Operational Definitive Attitude (ODA) data as determined by ARACON Geophysics on-site personnel during orbits 4000-8938 of the TIROS VIII operational lifetime. No attempt has been made to apply smoothing techniques as a result of hindsight. These data were extracted from the ODAM which was issued daily during the useful lifetime of the satellite.

Attitude data sources, reliability factors, and attitude determination techniques were discussed in Volume I of this series of reports (see Introduction).

A word of explanation concerning nomenclature is offered here to potential users attempting to correlate data presented in these tables with TIROS film strips. Some of the documentary literature for TIROS television pictures use two orbit numbers for identifying a film strip (i.e., Ref. 3 and 4). As an example, an orbital designation for a film strip such as 91/90 or 91 R/0 90 or 90/91 indicates that pictures were taken during orbit number 90, stored on video tape in the satellite, and were then played back during orbit number 91. Whenever two orbit numbers identify a film strip, and the film strip is designated as "TAPE" mode, the lower orbit number should be used to locate corresponding attitude data. It is also possible to have pictures (DIRECT mode) on the film strip which were obtained during the higher stated orbit number - thus requiring two sets of attitude data for pictures on the film strip.

Errors caused by selecting attitude data for an orbit adjacent to a desired orbit will be negligible for most purposes. However, selection of inappropriate ascending node data will cause marked discrepancies in location of picture images relative to the earth. Table A-1 provides a brief explanation of the abbreviations appearing in the Header of the ODA table (A-2).

TABLE A-1

ODA TABLE HEADERS

Column	Header	Explanation
a	DATE	Greenwich Mean date on which the ascending node of the orbit in column c occurred.
b	JULIAN DAY	System Day. Also J-Day on ODAM. Day 0 = Launch Day (21 December 1963).
c	ORBIT NUMBER	Labeled consecutively with each vehicular crossing of the earth's equator from south to north. Launch and injection are considered to occur on orbit zero.
d	ASCENDING NODE	Greenwich Mean Time and longitude at which the satellite crossed the equator from south to north.
e	$t_o$	Attitude parameters in orbital coordinate system. Commonly referred to as TOT (time of occurrence of $n_o$ ) and NON (the minimum nadir angle). $t_o$ stated in minutes after ascending node (Min AAN).
f	$n_o$	
g	RA SA	Right ascension and declination of satellite spin axis. These values represent the transformation of $t_o$ and $n_o$ into the celestial coordinate system.
h	DEC SA	
i	GAMMA	Angle between spatial vectors of the satellite spin axis and the satellite-sun line.

## A.2 TIROS VIII OPERATIONAL DEFINITIVE ATTITUDE DATA

The ODA table (A-2) is divided into two basic sections. Columns "a" through "d" contain data obtained directly from the NASA Computation Center via teletype during the TIROS VIII operations. Columns "e" through "i" contain the "best-fit" attitude parameters determined on-site by ARACON Geophysics.

The attitude data are presented in two coordinate systems: orbital ( $n_o, t_o$ ) and celestial (right ascension and declination).

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
September 22, 1964	276	4000	113.18E	07 43 59					
"	276	4001	088.03E	09 23 19					
"	276	4002	062.88E	11 02 40					
"	276	4003	037.74E	12 42 00					
"	276	4004	012.59E	14 21 20					
"	276	4005	012.54W	16 00 40					
"	276	4006	037.69W	17 40 00					
"	276	4007	062.84W	19 19 20	96.3	-26.4	200.6	5.1	21.7
"	276	4008	087.99W	20 58 40					
September 22, 1965	276	4009	113.13W	22 38 00	96.7	-27.0	200.3	6.4	21.3
September 23, 1965	277	4010	138.28W	00 17 20	97.0	-27.3	200.2	7.2	21.4
MAC SWITCH CHANGED FROM POSITION 11 TO 8									
September 23, 1965	277	4011	163.43W	01 56 40	97.0	-27.2	200.2	7.4	21.4
"	277	4012	171.41E	03 36 00	97.1	-27.1	200.1	7.5	21.3
"	277	4013	146.26E	05 15 20	97.1	-27.0	200.0	7.6	21.3
"	277	4014	121.12E	06 54 40	97.2	-26.9	200.0	7.7	21.2
"	277	4015	095.97E	08 34 00					
"	277	4016	070.82E	10 13 20					
"	277	4017	045.67E	11 52 40					
"	277	4018	020.53E	13 32 00					
"	277	4019	004.61W	15 11 20					
"	277	4020	029.76W	16 50 40					
"	277	4021	054.90W	18 30 00	97.6	-26.3	199.5	8.5	20.8
"	277	4022	080.05W	20 09 20	97.7	-26.2	199.4	8.7	20.7
September 23, 1965	277	4023	105.20W	21 48 40	97.7	-26.1	199.4	8.8	20.6

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
September 23, 1965	277	4024	130.35W	23 28 00	97.8	-26.0	199.3	8.9	20.6
September 24, 1965	278	4025	155.49W	01 07 20					
"	278	4026	179.35E	02 46 40	97.9	-25.9	199.1	9.1	20.5
"	278	4027	154.20E	04 26 00	98.0	-25.8	199.1	9.3	20.4
"	278	4028	129.06E	06 05 21	98.0	-25.7	199.0	9.4	20.4
"	278	4029	103.91E	07 44 41					
"	278	4030	078.76E	09 24 01					
"	278	4031	053.61E	11 03 21					
"	278	4032	028.47E	12 42 41					
"	278	4033	003.32E	14 22 01					
"	278	4034	021.82W	16 01 21					
"	278	4035	046.96W	17 40 41	98.4	-25.2	198.3	10.2	20.0
"	278	4036	072.11W	19 20 01					
"	278	4037	097.26W	20 59 21	98.5	-25.1	198.2	10.5	19.9
September 24, 1965	278	4038	122.41W	22 38 41	98.6	-25.0	198.1	10.6	19.8
September 25, 1965	279	4039	147.55W	00 18 01					
"	279	4040	172.70W	01 57 21	98.7	-24.8	197.9	10.9	19.8
"	279	4041	162.14E	03 36 41	98.7	-24.8	197.8	11.0	19.8
"	279	4042	137.00E	05 16 01	98.8	-24.7	197.8	11.1	19.8
"	279	4043	111.85E	06 55 21	98.8	-24.6	197.7	11.2	19.8
"	279	4044	086.70E	08 34 41					
"	279	4045	061.55E	10 14 01					
"	279	4046	036.41E	11 53 21					
"	279	4047	011.26E	13 32 41					
September 25, 1965	279	4048	013.88W	15 12 01					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
September 25, 1965	279	4049	039.02W	16 51 21					
"	279	4050	064.17W	18 30 41	99.2	-24.0	197.1	12.1	19.6
"	279	4051	089.32W	20 10 01	99.3	-24.0	197.0	12.2	19.6
"	279	4052	114.47W	21 49 21	0.0	-23.9	196.9	12.3	19.6
September 25, 1965	279	4053	139.61W	23 28 41	0.1	-23.8	196.9	12.5	19.6
September 26, 1965	280	4054	164.77W	01 08 01	0.1	-23.7	196.8	12.6	19.6
"	280	4055	170.08E	02 47 21	0.2	-23.6	196.7	12.7	19.7
"	280	4056	144.93E	04 26 41	0.3	-23.6	196.6	12.9	19.7
"	280	4057	119.78E	06 06 01	0.3	-23.5	196.6	13.0	19.7
"	280	4058	094.64E	07 45 21					
"	280	4059	069.49E	09 24 42					
"	280	4060	044.34E	11 04 02					
"	280	4061	019.19E	12 43 22					
"	280	4062	005.94W	14 22 42					
"	280	4063	031.09W	16 02 02	0.7	-23.0	196.1	13.8	19.9
"	280	4064	056.24W	17 41 22					
"	280	4065	081.38W	19 20 42	0.8	-22.9	196.0	14.1	20.0
"	280	4066	106.53W	21 00 02	0.9	-22.8	195.9	14.3	20.0
September 26, 1965	280	4067	131.68W	22 39 22	1.0	-22.7	195.8	14.4	20.0
September 27, 1965	281	4068	156.82W	00 18 42					
"	281	4069	178.02E	01 58 02	1.1	-22.5	195.7	14.7	20.2
"	281	4070	152.87E	03 37 22	1.1	-22.5	195.6	14.8	20.3
"	281	4071	127.72E	05 16 42	1.2	-22.4	195.5	15.0	20.3
"	281	4072	102.57E	06 56 02					
September 27, 1965	281	4073	077.43E	08 35 22					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg) Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
September 27, 1965	281	4074	052.28E 10 14 42	1.6	-21.8	195.1	16.0	20.9
"	281	4075	027.13E 11 54 02					
"	281	4076	001.99E 13 33 22					
"	281	4077	023.15W 15 12 42					
"	281	4078	048.30W 16 52 02	1.6	-21.8	195.1	16.0	20.9
"	281	4079	073.45W 18 31 22					
"	281	4080	098.59W 20 10 42	1.8	-21.7	194.9	16.3	21.0
"	281	4081	123.74W 21 50 02	1.8	-21.6	194.9	16.5	21.1
September 27, 1965	281	4082	148.89W 23 29 22	1.9	-21.5	194.8	16.6	21.2
September 28, 1965	282	4083	174.03W 01 08 42	2.0	-21.4	194.7	16.8	21.3
"	282	4084	160.81E 02 48 02	2.0	-21.3	194.6	16.9	21.4
"	282	4085	135.66E 04 27 22	2.1	-21.3	194.6	17.1	21.5
"	282	4086	110.52E 06 06 42	2.1	-21.2	194.5	17.2	21.6
"	282	4087	085.37E 07 46 02					
"	282	4088	060.22E 09 25 23					
"	282	4089	035.07E 11 04 42					
"	282	4090	009.93E 12 44 02					
"	282	4091	015.21W 14 23 23					
"	282	4092	040.36W 16 02 43	2.5	-20.7	194.1	18.1	22.2
"	282	4093	065.50W 17 42 03					
"	282	4094	090.65W 19 21 23	2.6	-20.6	193.9	18.4	22.4
"	282	4095	115.80W 21 00 43	2.7	-20.5	193.9	18.6	22.5
September 28, 1965	282	4096	140.95W 22 40 03	2.8	-20.4	193.8	18.7	22.6
September 29, 1964	283	4097	166.10W 00 19 23	2.8	-20.3	193.7	18.9	22.8

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
September 29, 1964	283	4098	168.75E	01 58 43	2.9	-20.3	193.6	19.1	22.9
"	283	4099	143.60E	03 38 03	3.0	-20.2	193.5	19.2	23.0
"	283	4100	118.45E	05 17 23					
"	283	4101	093.31E	06 56 43					
"	283	4102	068.16E	08 36 03					
"	283	4103	043.01E	10 15 23					
"	283	4104	017.87E	11 54 43					
"	283	4105	007.27W	13 34 03					
"	283	4106	032.42W	15 13 23	3.4	-19.8	192.9	20.4	24.0
"	283	4107	057.57W	16 52 43					
"	283	4108	082.72W	18 32 03	3.5	-19.7	192.8	20.7	24.3
"	283	4109	107.86W	20 11 23	3.6	-19.6	192.7	20.9	24.4
"	283	4110	133.01W	21 50 43	3.6	-19.6	192.6	21.0	24.5
"	283	4111	158.16W	23 30 03	3.7	-19.5	192.5	21.2	24.7
September 29, 1964									
September 30, 1964	284	4112	176.69E	01 09 23	3.8	-19.4	192.5	21.3	24.8
"	284	4113	151.54E	02 48 43	3.8	-19.3	192.4	21.5	25.0
"	284	4114	126.39E	04 28 03	3.9	-19.2	192.4	21.7	25.2
"	284	4115	101.24E	06 07 23					
"	284	4116	076.10E	07 46 43	4.0	-19.1	192.3	22.0	25.5
"	284	4117	050.95E	09 26 03					
"	284	4118	025.80E	11 05 23					
"	284	4119	000.65E	12 44 43					
"	284	4120	024.48W	14 24 03					
"	284	4121	049.63W	16 03 23					
"	284	4122	074.78W	17 42 44					
"	284	4123	099.92W	19 22 04	4.5	-18.5	191.9	23.1	26.6
"	284	4124	125.07W	21 01 24	4.6	-18.4	191.9	23.3	26.8
September 30, 1964									

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
September 30, 1964	284	4125	150.22W	22 40 44	4.6	-18.3	191.8	23.5	26.9
October 1, 1964	285	4126	175.36W	00 20 04	4.7	-18.2	191.7	23.6	27.1
"	285	4127	159.48E	01 59 24	4.8	-18.2	191.7	23.8	27.3
"	285	4128	134.33E	03 38 44	4.8	-18.1	191.6	24.0	27.5
"	285	4129	109.19E	05 18 04					
"	285	4130	084.04E	06 57 24					
"	285	4131	058.89E	08 36 44					
"	285	4132	033.74E	10 16 04					
"	285	4133	008.59E	11 55 24					
"	285	4134	016.54W	13 34 44					
"	285	4135	041.69W	15 14 04	5.3	-17.6	191.2	25.2	28.8
"	285	4136	066.84W	16 53 24					
"	285	4137	091.98W	18 32 44	5.5	-17.5	191.1	25.6	29.2
"	285	4138	117.13W	20 12 04	5.5	-17.4	191.0	25.8	29.4
"	285	4139	142.28W	21 51 24					
October 1, 1964	285	4140	167.42W	23 30 44	5.7	-17.3	190.9	26.1	29.7
October 2, 1964	286	4141	167.42E	01 10 04					
"	286	4142	142.27E	02 49 24	5.8	-17.1	190.8	26.5	30.1
"	286	4143	117.12E	04 28 44	5.9	-17.1	190.7	26.7	30.3
"	286	4144	091.97E	06 08 04	5.9	-17.0	190.7	26.8	30.5
"	286	4145	066.82E	07 47 24					
"	286	4146	041.68E	09 26 44					
"	286	4147	016.53E	11 06 04					
"	286	4148	008.61W	12 45 24					
"	286	4149	033.75W	14 24 44					
October 2, 1964	286	4150	058.90W	16 04 04	6.3	-16.5	190.4	27.9	31.7

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
October 2, 1964	286	4151	084.05W	17 43 24	6.4	-16.5	190.4	28.1	31.9
"	286	4152	109.20W	19 22 44	6.5	-16.4	190.3	28.2	32.1
"	286	4153	134.34W	21 02 04	6.5	-16.3	190.3	28.4	32.3
October 2, 1964	286	4154	159.49W	22 41 24					
October 3, 1964	287	4155	175.35E	00 20 45					
"	287	4156	150.21E	02 00 05	6.8	-16.1	190.1	29.0	32.9
"	287	4157	125.06E	03 39 25	6.8	-15.9	190.1	28.9	32.9
"	287	4158	099.91E	05 18 45	6.8	-15.7	190.1	28.9	32.9
"	287	4159	074.77E	06 58 05					
"	287	4160	049.62E	08 37 25					
"	287	4161	024.47E	10 16 45					
"	287	4162	000.66W	11 56 05					
"	287	4163	025.81W	13 35 25					
"	287	4164	050.96W	15 14 45					
"	287	4165	076.11W	16 54 05	7.0	-14.2	190.2	28.6	32.8
"	287	4166	101.26W	18 33 25	7.0	-13.9	190.2	28.6	32.8
"	287	4167	126.40W	20 12 45	7.0	-13.7	190.2	28.6	32.8
"	287	4168	151.55W	21 52 05	7.0	-13.5	190.2	28.5	32.8
October 3, 1964	287	4169	176.70W	23 31 25					
October 4, 1964	288	4170	158.14E	01 10 45	7.1	-13.1	190.3	28.5	32.8
"	288	4171	133.00E	02 50 05	7.1	-12.9	190.3	28.4	32.7
"	288	4172	107.85E	04 29 25	7.1	-12.6	190.3	28.4	32.7
"	288	4173	082.70E	06 08 45	7.1	-12.4	190.3	28.4	32.7
"	288	4174	057.56E	07 48 05					
October 4, 1964	288	4175	032.41E	09 27 25					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
October 4, 1964	288	4176	007.26E	11 06 45					
"	288	4177	017.88W	12 46 05					
"	288	4178	043.02W	14 25 25					
"	288	4179	068.17W	16 04 45	7.3	-11.1	190.4	28.1	32.6
"	288	4180	093.32W	17 44 05	7.3	-10.9	190.4	28.1	32.6
"	288	4181	118.46W	19 23 25	7.3	-10.6	190.5	28.0	32.6
"	288	4182	143.61W	21 02 45	7.3	-10.4	190.5	28.0	32.6
October 4, 1964	288	4183	168.76W	22 42 05					
October 5, 1964	289	4184	166.08E	00 21 25	7.4	-10.0	190.5	27.9	32.6
"	289	4185	140.94E	02 00 45	7.4	-9.8	190.5	27.9	32.6
"	289	4186	115.79E	03 40 05	7.4	-9.5	190.5	27.8	32.6
"	289	4187	090.64E	05 19 25	7.5	-9.3	190.6	27.8	32.5
"	289	4188	065.50E	06 58 45					
"	289	4189	040.35E	08 38 06					
"	289	4190	015.20E	10 17 26					
"	289	4191	009.94W	11 56 46					
"	289	4192	035.08W	13 36 06					
"	289	4193	060.23W	15 15 26	7.6	-8.0	190.7	27.5	32.4
"	289	4194	085.38W	16 54 46	7.6	-7.8	190.7	27.5	32.4
"	289	4195	110.53W	18 34 06	7.6	-7.6	190.7	27.4	32.4
"	289	4196	135.67W	20 13 26	7.7	-7.3	190.7	27.4	32.4
"	289	4197	160.82W	21 52 46	7.7	-7.1	190.7	27.4	32.4
October 5, 1964	289	4198	174.02E	23 32 06					
October 6, 1964	290	4199	148.84E	01 11 25	7.7	-6.7	190.7	27.3	32.4
"	290	4200	123.69E	02 50 45	7.8	-6.5	190.7	27.3	32.4
October 6, 1964	290	4201	098.54E	04 30 05	7.8	-6.3	190.7	27.2	32.4

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
October 6, 1964	290	4202	073.40E	06 09 25					
"	290	4203	048.25E	07 48 45					
"	290	4204	023.10E	09 28 05					
"	290	4205	002.04W	11 07 25					
"	290	4206	027.18W	12 46 45					
"	290	4207	052.33W	14 26 05					
"	290	4208	077.48W	16 05 25	8.0	-4.9	190.7	27.0	32.4
"	290	4209	102.62W	17 44 45	8.0	-4.7	190.7	27.0	32.4
"	290	4210	127.77W	19 24 05	8.0	-4.5	190.7	27.0	32.4
"	290	4211	152.92W	21 03 25					
October 6, 1964	290	4212	178.06W	22 42 45					
October 7, 1964	291	4213	156.78E	00 22 05	8.1	-3.9	190.7	26.9	32.3
"	291	4214	131.63E	02 01 25	8.1	-3.7	190.7	26.8	32.3
"	291	4215	106.48E	03 40 45	8.1	-3.5	190.7	26.8	32.3
"	291	4216	081.34E	05 20 05					
"	291	4217	056.19E	06 59 25					
"	291	4218	031.04E	08 38 45					
"	291	4219	005.89E	10 18 05					
"	291	4220	019.25W	11 57 25					
"	291	4221	044.39W	13 36 45					
"	291	4222	069.54W	15 16 05	8.3	-2.1	190.7	26.5	32.3
"	291	4223	094.69W	16 55 25	8.3	-1.9	190.7	26.5	32.3
"	291	4224	119.83W	18 34 45	8.4	-1.7	190.7	26.5	32.3
"	291	4225	144.98W	20 14 06					
"	291	4226	170.13W	21 53 25					
October 7, 1964	291	4227	164.71E	23 32 45	8.5	-1.1	190.7	26.4	32.3

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
October 8, 1964	292	4228	139.57E	01 12 06	8.5	-0.9	190.7	26.3	32.3
"	292	4229	114.42E	02 51 26	8.5	-0.7	190.7	26.3	32.3
"	292	4230	089.27E	04 30 46					
"	292	4231	064.13E	06 10 06					
"	292	4232	038.98E	07 49 26					
"	292	4233	013.83E	09 28 46					
"	292	4234	011.30W	11 08 06					
"	292	4235	036.45W	12 47 26					
"	292	4236	061.60W	14 26 46	8.7	0.7	190.7	26.1	32.3
"	292	4237	086.74W	16 06 06	8.7	0.9	190.7	26.0	32.3
"	292	4238	111.89W	17 45 26	8.8	1.1	190.7	26.0	32.3
"	292	4239	137.04W	19 24 46	8.8	1.3	190.7	25.9	32.3
"	292	4240	162.19W	21 04 06					
October 8, 1964	292	4241	172.66E	22 43 26					
October 9, 1964	293	4242	147.51E	00 22 46					
"	293	4243	122.36E	02 02 06	8.9	2.1	190.7	25.8	32.2
"	293	4244	097.22E	03 41 26	9.0	2.3	190.7	25.8	32.2
"	293	4245	072.07E	05 20 46					
"	293	4246	046.92E	07 00 06					
"	293	4247	021.77E	08 39 26					
"	293	4248	003.37W	10 18 46					
"	293	4249	028.51W	11 58 06					
"	293	4250	053.66W	13 37 26					
"	293	4251	078.81W	15 16 46	9.1	3.7	190.7	25.5	32.2
"	293	4252	103.95W	16 56 06	9.2	3.9	190.7	25.5	32.2
"	293	4253	129.10W	18 35 26	9.2	4.1	190.7	25.4	32.2
October 9, 1964	293	4254	154.25W	20 14 46	9.2	4.3	190.7	25.4	32.2

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)      Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
October 9, 1964	293	4255	179.40W      21 54 06					
October 9, 1964	293	4256	155.45E      23 33 26	9.3	4.7	190.7	25.3	32.2
October 10, 1964	294	4257	130.30E      01 12 46	9.3	4.9	190.7	25.3	32.2
"	294	4258	105.15E      02 52 06	9.4	5.1	190.8	25.3	32.2
"	294	4259	080.01E      04 31 26	9.4	5.3	190.8	25.2	32.2
"	294	4260	054.86E      06 10 46					
"	294	4261	029.71E      07 50 06					
"	294	4262	004.56E      09 29 26					
"	294	4263	020.57W      11 08 46					
"	294	4264	045.72W      12 48 06					
"	294	4265	070.87W      14 27 27	9.6	6.5	190.8	25.0	32.2
"	294	4266	096.01W      16 06 47	9.6	6.7	190.8	25.0	32.2
"	294	4267	121.16W      17 46 06	9.7	6.9	190.8	25.0	32.2
"	294	4268	146.31W      19 25 27					
"	294	4269	171.46W      21 04 47					
October 10, 1964	294	4270	163.39E      22 44 07	9.8	7.5	190.8	24.9	32.2
October 11, 1964	295	4271	138.24E      00 23 27	9.8	7.7	190.8	24.8	32.2
"	295	4272	113.09E      02 02 47	9.8	7.9	190.9	24.8	32.2
"	295	4273	087.95E      03 42 07	9.9	8.1	190.9	24.8	32.3
"	295	4274	062.79E      05 21 27					
"	295	4275	037.65E      07 00 47					
"	295	4276	012.50E      08 40 07					
"	295	4277	012.64W      10 19 27					
"	295	4278	037.78W      11 58 47					
"	295	4279	062.93W      13 38 07	10.1	9.2	190.9	24.6	32.3
October 11, 1964	295	4280	088.08W      15 17 27	10.1	9.4	190.9	24.6	32.3

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
October 11, 1964	295	4281	113.23W	16 56 47	10.2	9.6	191.0	24.6	32.3
"	295	4282	138.37W	18 36 07	10.2	9.8	191.0	24.5	32.3
"	295	4283	163.52W	20 15 27					
"	295	4284	171.32E	21 54 47	10.3	10.2	191.0	24.5	32.4
October 11, 1964	295	4285	146.18E	23 34 07	10.3	10.4	191.0	24.5	32.4
October 12, 1964	296	4286	121.03E	01 13 27	10.4	10.6	191.0	24.5	32.4
"	296	4287	095.88E	02 52 47					
"	296	4288	070.74E	04 32 07					
"	296	4289	045.59E	06 11 27					
"	296	4290	020.44E	07 50 47					
"	296	4291	004.69W	09 30 07					
"	296	4292	029.84W	11 09 27					
"	296	4293	054.99W	12 48 47	10.7	11.8	191.1	24.4	32.6
"	296	4294	080.14W	14 28 07	10.7	12.0	191.1	24.4	32.6
"	296	4295	105.28W	16 07 27	10.8	12.2	191.1	24.4	32.7
"	296	4296	130.43W	17 46 47	10.8	12.4	191.2	24.4	32.7
"	296	4297	155.58W	19 26 07	10.8	12.5	191.2	24.4	32.7
"	296	4298	179.27E	21 05 27					
October 12, 1964	296	4299	154.12E	22 44 47	11.0	12.9	191.2	24.4	32.8
October 13, 1964	297	4300	128.96E	00 24 06	11.0	13.1	191.2	24.4	32.8
"	297	4301	103.81E	02 03 27	11.0	13.3	191.3	24.4	32.8
"	297	4302	078.66E	03 42 47					
"	297	4303	053.52E	05 22 07					
"	297	4304	028.37E	07 01 27					
"	297	4305	003.22E	08 40 47					
October 13, 1964	297	4306	021.91W	10 20 07					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
October 13, 1964	297	4307	047.06W	11 59 27					
"	297	4308	072.21W	13 38 47	11.4	14.6	191.5	24.3	33.0
"	297	4309	097.36W	15 18 07	11.4	14.8	191.5	24.3	33.0
"	297	4310	122.50W	16 57 27	11.5	15.0	191.6	24.3	33.0
"	297	4311	147.65W	18 36 47					
"	297	4312	172.80W	20 16 07					
"	297	4313	162.04E	21 55 27	11.6	15.5	191.6	24.2	33.1
October 13, 1964	297	4314	136.90E	23 34 47	11.7	15.7	191.7	24.2	33.1
October 14, 1964	298	4315	111.75E	01 14 07	11.7	15.9	191.7	24.2	33.1
"	298	4316	086.60E	02 53 27	11.8	16.0	191.7	24.2	33.2
"	298	4317	061.45E	04 32 47					
"	298	4318	036.31E	06 12 07					
"	298	4319	011.16E	07 51 27					
"	298	4320	013.98W	09 30 47					
"	298	4321	039.13W	11 10 07	12.1	17.0	191.9	24.3	33.4
"	298	4322	064.27W	12 49 27	12.2	17.2	192.0	24.3	33.5
"	298	4323	089.42W	14 28 47	12.2	17.3	192.0	24.3	33.5
"	298	4324	114.57W	16 08 07	12.2	17.3	192.0	24.3	33.5
"	298	4325	139.71W	17 47 27	12.3	17.5	192.1	24.3	33.5
"	298	4326	164.86W	19 26 47					
"	298	4327	169.99E	21 06 07	12.4	17.8	192.1	24.4	33.6
October 14, 1964	298	4328	144.84E	22 45 27	12.5	18.0	192.2	24.4	33.7
October 15, 1964	299	4329	119.69E	00 24 47	12.5	18.1	192.2	24.4	33.7
"	299	4330	094.54E	02 04 07					
"	299	4331	069.40E	03 43 27					
"	299	4332	044.25E	05 22 47					
"	299	4333	019.10E	07 02 07					
October 15, 1964	299	4334	006.04W	08 41 27					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
October 15, 1964	299	4335	031.18W	10 20 47					
"	299	4336	056.33W	12 00 07	13.0	19.1	192.4	24.6	34.2
"	299	4337	081.48W	13 39 27	13.0	19.2	192.4	24.6	34.2
"	299	4338	106.63W	15 18 47	13.1	19.4	192.4	24.7	34.3
"	299	4339	131.77W	16 58 07	13.1	19.5	192.4	24.7	34.4
"	299	4340	156.92W	18 37 27					
"	299	4341	177.92E	20 16 47					
"	299	4342	152.77E	21 56 07	13.3	19.9	192.5	24.8	34.6
"	299	4343	127.63E	23 35 27	13.4	20.0	192.5	24.8	34.6
October 15, 1964									
October 16, 1964	300	4344	102.48E	01 14 47	13.4	20.2	192.6	24.8	34.7
"	300	4345	077.33E	02 54 07	13.5	20.3	192.6	24.9	34.7
"	300	4346	052.19E	04 33 27					
"	300	4347	027.04E	06 12 47					
"	300	4348	001.89E	07 52 07					
"	300	4349	023.25W	09 31 27					
"	300	4350	048.39W	11 10 47					
October 16, 1964	300	4351	073.54W	12 50 07	13.9	21.2	192.9	25.0	35.0
"	300	4352	098.69W	14 29 27	14.0	21.3	192.9	25.0	35.1
"	300	4353	123.83W	16 08 47	14.0	21.4	193.0	25.0	35.1
"	300	4354	148.98W	17 48 07					
"	300	4355	174.13W	19 27 27					
"	300	4356	160.71E	21 06 47	14.2	21.9	193.1	25.1	35.3
October 16, 1964	300	4357	135.57E	22 46 07	14.3	22.0	193.1	25.1	35.3
October 17, 1964	301	4358	110.42E	00 25 27	14.4	22.1	193.2	25.2	35.4
"	301	4359	085.28E	02 04 47	14.4	22.2	193.2	25.2	35.4
"	301	4360	060.13E	03 44 07					
October 17, 1964	301	4361	034.98E	05 23 27					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i		
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	R.A. SA (Deg)	DEC SA (Deg)	GAMMA (Deg)	
October 17, 1964	301	4362	009.83E	07 02 47						
"	301	4363	015.30W	08 42 07						
"	301	4364	040.45W	10 21 27						
"	301	4365	065.60W	12 00 47	14.9	23.0	193.5	25.4	35.8	
"	301	4366	090.75W	13 40 07	14.9	23.1	193.6	25.4	35.9	
"	301	4367	115.89W	15 19 27	15.0	23.2	193.6	25.5	35.9	
"	301	4368	141.04W	16 58 47	15.1	23.3	193.6	25.5	36.0	
"	301	4369	166.19W	18 38 07						
"	301	4370	168.65E	20 17 27	15.2	23.6	193.7	25.6	36.1	
"	301	4371	143.51E	21 56 47	15.3	23.7	193.8	25.6	36.2	
October 17, 1964	301	4372	118.36E	23 36 07	15.4	23.8	193.8	25.6	36.2	
October 18, 1964	302	4373	093.21E	01 15 27	15.5	23.9	193.9	25.7	36.3	
"	302	4374	068.06E	02 54 47						
"	302	4375	042.92E	04 34 07						
"	302	4376	017.77E	06 13 27						
"	302	4377	007.37W	07 52 47						
"	302	4378	032.51W	09 32 08						
"	302	4379	057.66W	11 11 28	16.0	24.7	194.7	25.9	36.6	
"	302	4380	082.81W	12 50 47	16.1	24.9	194.8	26.0	36.7	
"	302	4381	107.95W	14 30 08	16.2	25.0	194.9	26.0	36.7	
			MAC SWITCH CHANGED FROM POSITION 0 TO 9							
"	302	4382	133.10W	16 09 28	16.3	25.0	195.0	26.2	36.9	
"	302	4383	158.25W	17 48 48	16.4	25.0	195.0	26.3	37.1	
"	302	4384	176.59E	19 28 08	16.5	25.0	195.1	26.5	37.2	
"	302	4385	151.45E	21 07 28	16.6	25.0	195.1	26.6	37.4	
October 18, 1964	302	4386	126.30E	22 46 48	16.7	25.0	195.2	26.8	37.6	
October 19, 1964	303	4387	101.15E	00 26 08	16.8	25.0	195.4	26.9	37.8	
"	303	4388	076.00E	02 05 27	16.9	25.0	195.5	27.1	37.9	

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr: Min: Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
October 19, 1964	303	4390	025. 71E	05 24 08					
"	303	4391	000. 57E	07 03 28					
"	303	4392	024. 57W	03 42 48					
"	303	4393	049. 72W	10 22 08					
"	303	4394	074. 87W	12 01 28	17. 6	25. 0	196. 5	28. 1	39. 0
"	303	4395	100. 01W	13 40 48	17. 7	25. 0	196. 6	28. 3	39. 1
"	303	4396	125. 16W	15 20 08	17. 9	25. 0	196. 8	28. 5	39. 3
"	303	4397	150. 31W	16 59 28	18. 0	25. 0	196. 9	28. 6	39. 5
"	303	4398	175. 46W	18 38 48					
"	303	4399	159. 39E	20 18 08	18. 2	25. 0	197. 2	29. 0	39. 8
"	303	4400	134. 24E	21 57 28	18. 3	25. 0	197. 4	29. 1	40. 0
October 19, 1964	303	4401	109. 09E	23 36 48	18. 5	25. 0	197. 6	29. 3	40. 2
October 20, 1964	304	4402	083. 92E	01 16 09	18. 6	25. 0	197. 7	29. 5	40. 3
"	304	4403	058. 78E	02 55 29					
"	304	4404	033. 63E	04 34 49					
"	304	4405	008. 48E	06 14 09					
"	304	4406	016. 66W	07 53 29					
"	304	4407	041. 80W	09 32 49					
"	304	4408	066. 95W	11 12 09	19. 3	25. 0	198. 9	30. 3	41. 2
"	304	4409	092. 10W	12 51 29	19. 4	25. 0	199. 1	30. 4	41. 3
"	304	4410	117. 25W	14 30 49	19. 6	25. 0	199. 2	30. 5	41. 4
"	304	4411	142. 39W	16 10 09	19. 7	25. 0	199. 4	30. 7	41. 6
"	304	4412	167. 54W	17 49 29	19. 8	25. 0	199. 6	30. 8	41. 7
"	304	4413	167. 30E	19 28 49	19. 9	25. 0	199. 8	30. 9	41. 9
"	304	4414	142. 16E	21 08 09	20. 0	25. 0	200. 0	31. 1	42. 0
October 20, 1964	304	4415	117. 01E	22 47 29	20. 2	25. 0	200. 2	31. 2	42. 1
October 21, 1964	305	4416	091. 86E	00 26 49	20. 3	25. 0	200. 4	31. 3	42. 2
"	305	4417	066. 72E	02 06 09					
October 21, 1964	305	4418	041. 57E	03 45 29					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
October 21, 1964	305	4419	016.42E	05 24 49					
"	305	4420	008.72W	07 04 09					
"	305	4421	033.86W	08 43 29					
"	305	4422	059.01W	10 22 49	21.0	25.0	201.6	31.9	42.9
"	305	4423	084.16W	12 02 10	21.1	25.0	201.8	32.0	43.0
"	305	4424	109.30W	13 41 30	21.2	25.0	202.0	32.0	43.1
"	305	4425	134.45W	15 20 50	21.4	25.0	202.2	32.1	43.2
"	305	4426	159.60W	17 00 10	21.5	25.0	202.4	32.2	43.3
"	305	4427	175.24E	18 39 30					
"	305	4428	150.10E	20 18 50	21.7	25.0	202.8	32.4	43.5
"	305	4429	124.95E	21 58 10	21.8	25.0	203.1	32.5	43.6
October 21, 1964	305	4430	099.80E	23 37 30	22.0	25.0	203.3	32.6	43.7
October 22, 1964	306	4431	074.66E	01 16 50	22.1	25.0	203.5	32.7	43.8
"	306	4432	049.51E	02 56 10					
"	306	4433	024.36E	04 35 30					
"	306	4434	000.78W	06 14 50					
"	306	4435	025.92W	07 54 10					
"	306	4436	051.07W	09 33 30	22.6	25.0	204.5	32.9	44.1
"	306	4437	076.22W	11 12 50					
"	306	4438	101.36W	12 52 10	22.9	25.0	204.9	33.0	44.3
"	306	4439	126.51W	14 31 30	23.0	25.0	205.1	33.1	44.3
"	306	4440	151.66W	16 10 50					
"	306	4441	176.81W	17 50 10	23.2	25.0	205.5	33.2	44.5
"	306	4442	158.04E	19 29 30					
"	306	4443	132.89E	21 08 50	23.5	25.0	205.9	33.3	44.6
"	306	4444	107.74E	22 48 10	23.6	25.0	206.0	33.3	44.7
October 22, 1964	306	4445	082.60E	00 27 30	23.7	25.0	206.3	33.3	44.7
October 23, 1964	307	4446	057.45E	02 06 50					
"	307	4447	032.30E	03 46 10					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (H: Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
October 23, 1964	307	4448	007.15E	05 25 30					
"	307	4449	017.99W	07 04 50					
"	307	4450	043.13W	08 44 10					
"	307	4451	068.28W	10 23 30	24.4	25.0	207.5	33.4	44.9
"	307	4452	093.43W	12 02 50					
"	307	4453	118.58W	13 42 10	24.6	25.0	207.9	33.4	45.0
"	307	4454	143.72W	15 21 30					
"	307	4455	168.87W	17 00 50	24.8	25.0	208.3	33.4	45.0
"	307	4456	165.97E	18 40 10					
"	307	4457	140.83E	20 19 30	25.0	25.0	208.7	33.5	45.1
"	307	4458	115.68E	21 58 50					
October 23, 1964	307	4459	090.53E	23 38 10					
October 24, 1964	308	4460	065.39E	01 17 30					
"	308	4461	040.24E	02 56 50					
"	308	4462	015.10E	04 36 10					
"	308	4463	010.04W	06 15 30					
"	308	4464	035.19W	07 54 50	25.8	25.0	210.2	33.3	45.2
"	308	4465	060.34W	09 34 10					
"	308	4466	085.48W	11 13 30					
"	308	4467	110.63W	12 52 50	26.2	25.0	210.8	33.2	45.2
"	308	4468	135.78W	14 32 10					
"	308	4469	160.93W	16 11 30	26.4	25.0	211.2	33.2	45.2
"	308	4470	173.92E	17 50 50					
"	308	4471	148.77E	19 30 10	26.7	25.0	211.6	33.1	45.1
"	308	4472	123.62E	21 09 30	26.8	25.0	211.8	33.1	45.1
"	308	4473	098.47E	22 48 50	26.9	25.0	212.0	33.1	45.1
October 24, 1964	308								
October 25, 1964	309	4474	073.32E	00 28 10	27.0	25.0	212.2	33.0	45.1
October 25, 1964	309	4475	048.18E	02 07 30					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg) Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)	
October 25, 1964	309	4476	023.03E 03 46 50	27.7	25.0	213.4	32.6	44.9	
"	309	4477	002.11W 05 26 10						
"	309	4478	027.26W 07 05 30						
"	309	4479	052.40W 08 44 50						
"	309	4480	077.55W 10 24 10	27.7	25.0	213.4	32.6	44.9	
"	309	4481	102.70W 12 03 30						
"	309	4482	127.84W 13 42 51	27.9	25.0	213.8	32.4	44.8	
"	309	4483	152.99W 15 22 11						
"	309	4484	178.14W 17 01 31						
"	309	4485	156.71E 18 40 51	28.3	25.0	214.4	32.2	44.7	
"	309	4486	131.56E 20 20 11	28.4	25.0	214.6	32.2	44.7	
			MAC SWITCH CHANGED FROM POSITION 9 TO 0						
"	309	4487	106.41E 21 59 31	28.5	24.9	214.7	32.2	44.8	
October 25, 1964	309	4488	081.26E 23 38 51	28.6	24.8	214.9	32.2	44.8	
October 26, 1964	310	4489	056.12E 01 18 11						
"	310	4490	030.97E 02 57 31						
"	310	4491	005.82E 04 36 51						
"	310	4492	019.31W 06 16 11						
"	310	4493	044.46W 07 55 31						
"	310	4494	069.61W 09 34 51	29.1	24.5	215.4	32.1	44.8	
"	310	4495	094.76W 11 14 11	29.1	24.4	215.5	32.1	44.8	
"	310	4496	119.90W 12 53 31	29.2	24.3	215.5	32.1	44.9	
"	310	4497	145.05W 14 32 51						
"	310	4498	170.20W 16 12 11						
"	310	4499	164.64E 17 51 31	29.5	24.2	215.8	32.0	44.9	
"	310	4500	139.50E 19 30 51	29.6	24.1	215.9	32.0	44.9	
"	310	4501	114.35E 21 10 11	29.6	24.1	215.9	32.0	44.9	
October 26, 1964	310	4502	089.20E 22 49 31	29.7	24.0	216.0	32.0	44.9	
October 27, 1964	311	4503	064.04E 00 28 49						

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
October 27, 1964	311	4504	038.90E	02 08 09					
"	311	4505	013.75E	03 47 29					
"	311	4506	011.39W	05 26 49					
"	311	4507	036.53W	07 06 09	30.2	23.6	216.5	31.8	44.9
"	311	4508	061.68W	08 45 29	30.3	23.5	216.6	31.7	44.8
"	311	4509	086.83W	10 24 49	30.4	23.5	216.7	31.7	44.8
"	311	4510	111.97W	12 04 09	30.5	23.4	216.8	31.7	44.8
"	311	4511	137.12W	13 43 29					
"	311	4512	162.27W	15 22 49					
"	311	4513	172.58E	17 02 09	30.6	23.3	216.9	31.6	44.8
"	311	4514	147.43E	18 41 29	30.7	23.2	217.0	31.6	44.8
"	311	4515	122.28E	20 20 49	30.8	23.1	217.1	31.6	44.8
"	311	4516	097.14E	22 00 09	30.9	23.1	217.2	31.5	44.8
October 27, 1964	311	4517	071.99E	23 39 29					
October 28, 1964	312	4518	046.84E	01 18 49					
"	312	4519	021.69E	02 58 09					
"	312	4520	003.45W	04 37 29					
"	312	4521	028.59W	06 16 49					
"	312	4522	053.74W	07 56 09	31.3	22.5	217.6	31.5	44.9
"	312	4523	078.89W	09 35 29	31.4	22.4	217.6	31.5	44.9
"	312	4524	104.03W	11 14 49	31.5	22.3	217.7	31.5	45.0
"	312	4525	129.18W	12 54 09	31.5	22.1	217.7	31.5	45.0
"	312	4526	154.33W	14 33 29					
"	312	4527	179.47W	16 12 49	31.6	21.9	217.8	31.5	45.0
"	312	4528	155.37E	17 52 09	31.7	21.8	217.9	31.5	45.1
October 28, 1964	312	4529	130.22E	19 31 29	31.8	21.7	217.9	31.5	45.1

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
October 28, 1964	312	4530	105.08E	21 10 49	31.9	21.6	218.0	31.5	45.1
October 29, 1964	312	4531	079.93E	22 50 09					
October 29, 1964	313	4532	054.78E	00 29 29					
"	313	4533	029.63E	02 08 49					
"	313	4534	004.48E	03 48 09					
"	313	4535	020.65W	05 27 29					
"	313	4536	045.80W	07 06 49	32.3	21.0	218.3	31.5	45.2
"	313	4537	070.95W	08 46 09					
"	313	4538	096.09W	10 25 29	32.4	20.8	218.4	31.4	45.2
"	313	4539	121.24W	12 04 49	32.5	20.6	218.5	31.4	45.2
"	313	4540	146.39W	13 44 09					
"	313	4541	171.54W	15 23 29	32.6	20.4	218.6	31.4	45.2
"	313	4542	163.31E	17 02 49	32.7	20.3	218.6	31.4	45.2
"	313	4543	135.16E	18 42 09	32.7	20.2	218.7	31.4	45.2
"	313	4544	113.02E	20 21 29	32.8	20.1	218.7	31.4	45.3
"	313	4545	087.87E	22 00 49	32.9	20.0	218.8	31.4	45.3
October 29, 1964	313	4546	062.72E	23 40 09					
October 30, 1964	314	4547	037.57E	01 19 29					
"	314	4548	012.43E	02 58 49					
"	314	4549	012.71W	04 38 09					
"	314	4550	037.86W	06 17 29	33.2	19.5	218.9	31.3	45.3
"	314	4551	063.01W	07 56 49					
"	314	4552	088.16W	09 36 09					
"	314	4553	113.30W	11 15 29	33.4	19.2	219.0	31.2	45.3
"	314	4554	138.45W	12 54 49	33.5	19.0	219.0	31.2	45.3
October 30, 1964	314	4555	163.60W	14 34 09	33.5	18.9	219.1	31.2	45.3

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg) Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
October 30, 1964	314	4556	171.25E 16 13 29	33.6	18.8	219.1	31.2	45.3
"	314	4557	146.10E 17 52 49	33.6	18.7	219.1	31.2	45.3
"	314	4558	120.95E 19 32 09	33.7	18.6	219.1	31.2	45.3
"	314	4559	095.81E 21 11 29					
October 30, 1964	314	4560	070.66E 22 50 49					
October 31, 1964	315	4561	045.51E 00 30 09					
"	315	4562	020.36E 02 09 29					
"	315	4563	004.77W 03 48 49					
"	315	4564	029.92W 05 28 09	34.0	17.9	219.3	31.1	45.3
"	315	4565	055.07W 07 07 29					
"	315	4566	080.22W 08 46 49					
"	315	4567	105.36W 10 26 09	34.2	17.6	219.4	31.0	45.3
"	315	4568	130.51W 12 05 29	34.3	17.5	219.4	31.0	45.3
"	315	4569	155.66W 13 44 49	34.3	17.4	219.5	30.9	45.3
"	315	4570	179.19E 15 24 09	34.4	17.3	219.5	30.9	45.3
"	315	4571	154.04E 17 03 29	34.5	17.2	219.5	30.9	45.3
"	315	4572	128.89E 18 42 49					
"	315	4573	103.75E 20 22 09	34.6	16.9	219.6	30.8	45.3
"	315	4574	078.60E 22 01 29					
October 31, 1964	315	4575	053.45E 23 40 49	34.7	16.7	219.7	30.8	45.3
November 1, 1964	316	4576	028.30E 01 20 09					
"	316	4577	003.16E 02 59 29					
"	316	4578	021.98W 04 38 49					
"	316	4579	047.13W 06 18 09					
"	316	4580	072.27W 07 57 29					
November 1, 1964	316	4581	097.42W 09 36 49					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
November 1, 1964	316	4582	122.57W	11 16 09	35.1	16.0	219.8	30.6	45.0
"	316	4583	147.72W	12 55 29					
"	316	4584	172.86W	14 34 49	35.2	15.7	219.8	30.5	44.9
"	316	4585	161.98E	16 14 09	35.3	15.6	219.8	30.5	44.9
"	316	4586	136.83E	17 53 29	35.3	15.5	219.8	30.4	44.9
"	316	4587	111.69E	19 32 49	35.4	15.4	219.8	30.4	44.8
"	316	4588	086.54E	21 12 09					
November 1, 1964	316	4589	061.40E	22 51 29					
November 2, 1964	317	4590	036.25E	00 30 49					
"	317	4591	011.10E	02 10 09					
"	317	4592	014.04W	03 49 29					
"	317	4593	039.19W	05 28 49	35.7	14.7	219.8	30.2	45.1
"	317	4594	064.33W	07 08 09					
"	317	4595	089.48W	08 47 29					
"	317	4596	114.63W	10 26 49	35.8	14.4	219.8	30.2	45.0
"	317	4597	139.78W	12 06 09	35.9	14.3	219.8	30.1	45.0
"	317	4598	164.92W	13 45 29					
"	317	4599	169.92E	15 24 49	36.0	14.1	219.8	30.1	45.0
"	317	4600	144.77E	17 04 09	36.0	14.0	219.8	30.1	45.0
"	317	4601	119.63E	18 43 29	36.1	13.8	219.8	30.1	45.0
"	317	4602	094.48E	20 22 49					
"	317	4603	069.33E	22 02 09					
November 2, 1964	317	4604	044.19E	23 41 29					
November 3, 1964	318	4605	019.02E	01 20 48					
November 3, 1964	318	4606	006.11W	03 00 08					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
November 3, 1964	318	4607	031.26W	04 39 28	36.4	13.1	219.7	30.0	45.1
"	318	4608	056.41W	06 18 48					
"	318	4609	081.55W	07 58 08					
"	318	4610	106.70W	09 37 28	36.5	12.6	219.8	30.0	45.2
"	318	4611	131.85W	11 16 48					
"	318	4612	157.00W	12 56 08	36.6	12.3	219.8	30.0	45.2
"	318	4613	177.85E	14 35 28	36.6	12.2	219.8	30.1	45.3
"	318	4614	152.70E	16 14 48	36.7	12.0	219.8	30.1	45.3
"	318	4615	127.55E	17 54 08	36.7	11.9	219.8	30.1	45.3
"	318	4616	102.41E	19 33 28	36.8	11.7	219.8	30.1	45.3
"	318	4617	077.26E	21 12 48					
November 3, 1964	318	4618	052.11E	22 52 08					
November 4, 1964	319	4619	025.97E	00 31 28					
"	319	4620	001.82E	02 10 48					
"	319	4621	023.32W	03 50 08	37.0	10.9	219.9	30.1	45.5
"	319	4622	048.47W	05 29 28					
"	319	4623	073.62W	07 08 48					
"	319	4624	098.76W	08 48 08					
"	319	4625	123.91W	10 27 28	37.2	10.2	219.9	30.2	45.6
"	319	4626	149.06W	12 06 48					
"	319	4627	174.20W	13 46 08	37.3	9.9	220.0	30.2	45.7
"	319	4628	160.64E	15 25 28	37.3	9.7	220.0	30.2	45.7
"	319	4629	135.50E	17 04 48	37.4	9.6	220.0	30.2	45.7
"	319	4630	110.35E	18 44 08	37.4	9.4	220.0	30.2	45.8
"	319	4631	085.20E	20 23 28					
November 4, 1964	319	4632	060.05E	22 02 48					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	R.A.S.A (Deg)	DEC.S.A (Deg)	GAMMA (Deg)
			Time (UT) (Hr Min Sec)					
November 4, 1964	319	4633	034.91E	23 42 08				
November 5, 1964	320	4634	009.76E	01 21 28				
"	320	4635	015.38W	03 00 48				
"	320	4636	040.53W	04 40 08	8.3	220.2	30.3	46.0
"	320	4637	065.67W	06 19 28				
"	320	4638	090.82W	07 58 48				
"	320	4639	115.97W	09 38 08	7.8	220.2	30.4	46.1
"	320	4640	141.11W	11 17 28				
"	320	4641	166.26W	12 56 48	7.4	220.3	30.4	46.2
"	320	4642	165.58E	14 36 08	7.2	220.3	30.5	46.3
"	320	4643	143.43E	16 15 28	7.0	220.3	30.5	46.3
"	320	4644	118.29E	17 54 48	6.9	220.3	30.5	46.4
"	320	4645	093.14E	19 34 08				
"	320	4646	067.99E	21 13 28				
November 5, 1964	320	4647	042.84E	22 52 48	6.3	220.4	30.6	46.5
November 6, 1964	321	4648	017.70E	00 32 08				
"	321	4649	007.44W	02 11 28				
"	321	4650	032.58W	03 50 48				
"	321	4651	057.73W	05 30 08				
"	321	4652	082.88W	07 09 28				
"	321	4653	108.02W	08 48 48	5.2	220.5	30.7	46.7
"	321	4654	133.17W	10 28 08				
"	321	4655	158.32W	12 07 28	4.9	220.6	30.7	46.8
"	321	4656	176.52E	13 46 48	4.7	220.6	30.7	46.8
"	321	4657	151.37E	15 26 08	4.5	220.6	30.7	46.9
November 6, 1964	321	4658	126.23E	17 05 28	4.3	220.6	30.7	46.9

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
November 6, 1964	321	4659	101.08E	18 44 48	38.5	4.1	220.6	30.8	46.9
"	321	4660	075.93E	20 24 08					
"	321	4661	050.79E	22 03 28					
November 6, 1964	321	4662	025.64E	23 42 48					
November 7, 1964	322	4663	000.49E	01 22 08					
"	322	4664	024.64W	03 01 28	38.7	3.2	220.7	30.8	47.1
"	322	4665	049.79W	04 40 48					
"	322	4666	074.94W	06 20 08					
"	322	4667	100.09W	07 59 28					
"	322	4668	125.24W	09 38 48	38.9	2.5	220.8	30.8	47.2
"	322	4669	150.38W	11 18 08					
"	322	4670	175.53W	12 57 28	39.0	2.2	220.8	30.9	47.3
"	322	4671	159.31E	14 36 48	39.0	2.0	220.8	30.9	47.3
"	322	4672	134.17E	16 16 08	39.0	1.8	220.9	30.9	47.3
"	322	4673	109.02E	17 55 28	39.1	1.6	220.9	30.9	47.4
"	322	4674	083.87E	19 34 48					
"	322	4675	058.73E	21 14 08					
November 7, 1964	322	4676	033.58E	22 53 28					
November 8, 1964	323	4677	008.43E	00 32 48					
"	323	4678	016.70W	02 12 08					
"	323	4679	041.85W	03 51 28	39.3	0.6	221.0	30.9	47.5
"	323	4680	067.00W	05 30 48					
"	323	4681	092.15W	07 10 08	39.4	0.2	221.0	30.9	47.5
"	323	4682	117.29W	08 49 28					
"	323	4683	142.44W	10 28 48					
November 8, 1964	323	4684	167.59W	12 08 08	39.5	-0.3	221.0	30.9	47.6

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
November 8, 1964	323	4685	167.26E	13 47 28	39.5	-0.5	221.0	30.9	47.6
"	323	4686	142.11E	15 26 48	39.6	-0.6	221.0	30.9	47.6
"	323	4687	116.96E	17 06 08	39.6	-0.8	221.0	30.9	47.7
"	323	4688	091.82E	18 45 28					
"	323	4689	066.67E	20 24 48					
"	323	4690	041.52E	22 04 08	39.7	-1.3	221.1	30.9	47.7
November 8, 1964	323	4691	016.37E	23 43 28					
November 9, 1964	324	4692	008.76W	01 22 47					
"	324	4693	033.91W	03 02 08					
"	324	4694	059.06W	04 41 28					
"	324	4695	084.20W	06 20 47	39.9	-2.2	221.1	30.8	47.8
"	324	4696	109.35W	08 00 08					
"	324	4697	134.50W	09 39 27					
"	324	4698	159.64W	11 18 47	40.0	-2.7	221.2	30.8	47.9
"	324	4699	175.19E	12 58 07	40.1	-2.9	221.2	30.8	47.9
"	324	4700	150.05E	14 37 27	40.1	-3.1	221.2	30.8	47.9
"	324	4701	124.90E	16 16 47	40.1	-3.3	221.2	30.8	47.9
"	324	4702	099.75E	17 56 07	40.2	-3.5	221.2	30.8	47.9
"	324	4703	074.61E	19 35 27					
"	324	4704	049.46E	21 14 47	40.2	-3.8	221.3	30.8	48.0
November 9, 1964	324	4705	024.31E	22 54 07					
November 10, 1964	325	4706	000.84W	00 33 27					
"	325	4707	025.98W	02 12 47					
"	325	4708	051.13W	03 52 07					
"	325	4709	076.28W	05 31 27					
November 10, 1964	325	4710	101.43W	07 10 47	40.5	-4.9	221.4	30.7	48.0

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i		
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)	
November 10, 1964	325	4711	126.57W	08 50 07						
"	325	4712	151.72W	10 29 27						
"	325	4713	176.87W	12 08 47	40.6	-5.4	221.5	30.6	48.0	
"	325	4714	157.97E	13 48 07	40.6	-5.6	221.5	30.6	48.0	
"	325	4715	132.83E	15 27 27	40.7	-5.8	221.5	30.6	48.0	
"		MAC SWITCH CHANGED FROM POSITION 0 TO 8								
"	325	4716	107.68E	17 06 47	40.7	-5.9	221.5	30.4	47.9	
"	325	4717	082.53E	18 46 07						
"	325	4718	057.39E	20 25 27						
November 10, 1964	325	4719	032.24E	22 04 47						
November 10, 1964	325	4720	007.09E	23 44 07						
November 11, 1964	326	4721	018.04W	01 23 27						
"	326	4722	043.19W	03 02 47	41.1	-6.3	221.2	29.5	47.1	
"	326	4723	068.34W	04 42 07						
"	326	4724	093.48W	06 21 27						
"	326	4725	118.63W	08 00 47						
"	326	4726	143.78W	09 40 07						
"	326	4727	168.93W	11 19 27	41.5	-6.6	221.1	28.7	46.5	
"	326	4728	165.92E	12 58 47	41.5	-6.7	221.1	28.5	46.3	
"	326	4729	140.77E	14 38 07						
"	326	4730	115.62E	16 17 27	41.7	-6.9	221.0	28.2	46.1	
"	326	4731	090.47E	17 56 47						
"	326	4732	065.33E	19 36 07						
"	326	4733	040.18E	21 15 27						
November 11, 1964	326	4734	015.04E	22 54 47						
November 12, 1964	327	4735	010.10W	00 34 07						

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
November 12, 1964	327	4736	035.25W	02 13 27	42.1	-7.3	220.9	27.2	45.3
"	327	4737	060.39W	03 52 47					
"	327	4738	085.54W	05 32 07					
"	327	4739	110.69W	07 11 27	42.3	-7.6	220.8	26.7	44.9
"	327	4740	135.84W	08 50 47					
"	327	4741	160.99W	10 30 06					
"	327	4742	173.86E	12 09 27	42.5	-7.8	220.6	26.2	44.5
"	327	4743	148.71E	13 48 47	42.5	-7.9	220.6	26.1	44.4
"	327	4744	123.56E	15 28 06	42.6	-7.9	220.6	25.9	44.3
"	327	4745	098.42E	17 07 27					
"	327	4746	073.27E	18 46 46					
"	327	4747	048.12E	20 16 06					
"	327	4748	022.98E	22 05 26					
November 12, 1964	327	4749	002.16W	23 44 46					
November 13, 1964	328	4750	027.31W	01 24 06					
"	328	4751	052.46W	03 03 26					
"	328	4752	077.60W	04 42 46	43.1	-8.5	220.2	24.6	43.3
"	328	4753	102.75W	06 22 06					
"	328	4754	127.90W	08 01 26					
"	328	4755	153.05W	09 40 46	43.3	-8.7	220.1	24.0	42.9
"	328	4756	178.19W	11 20 06					
"	328	4757	156.65E	12 59 26	43.5	-8.8	220.0	23.7	42.6
"	328	4758	131.51E	14 38 46	43.5	-8.9	219.9	23.5	42.5
"	328	4759	106.36E	16 18 06	43.6	-8.9	219.9	23.3	42.4
"	328	4760	081.21E	17 57 26					
"	328	4761	056.06E	19 36 46					
November 13, 1964	328	4762	030.92E	21 16 06					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
November 13, 1964	328	4763	005.77E	22 55 26					
November 14, 1964	329	4764	019.37W	00 34 46					
"	329	4765	044.51W	02 14 06					
"	329	4766	069.66W	03 53 26	44.1	-9.4	219.6	22.1	41.4
"	329	4767	094.81W	05 32 46					
"	329	4768	119.95W	07 12 06					
"	329	4769	145.10W	08 51 26					
"	329	4770	170.25W	10 30 46	44.4	-9.8	219.5	21.3	40.9
"	329	4771	164.59E	12 10 06	44.5	-9.8	219.4	21.1	40.7
"	329	4772	139.45E	13 49 26	44.5	-9.9	219.4	20.9	40.6
"	329	4773	114.30E	15 28 46	44.6	-10.0	219.4	20.7	40.4
"	329	4774	089.15E	17 08 06					
"	329	4775	064.01E	18 47 26					
"	329	4776	038.86E	20 26 46					
"	329	4777	013.71E	22 06 06					
November 14, 1964	329	4778	011.43W	23 45 26					
November 15, 1964	330	4779	036.57W	01 24 46					
"	330	4780	061.72W	03 04 06					
"	330	4781	086.87W	04 43 26	45.2	-10.6	219.2	19.1	39.2
"	330	4782	112.01W	06 22 46					
"	330	4783	137.16W	08 02 06					
"	330	4784	162.31W	09 41 26					
"	330	4785	172.53E	11 20 46					
"	330	4786	147.39E	13 00 06	45.6	-11.0	219.0	18.1	38.5
"	330	4787	122.24E	14 39 26	45.7	-11.0	218.9	17.9	38.4
November 15, 1964	330	4788	097.10E	16 18 46					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
November 15, 1964	330	4789	071.95E	17 56 06					
"	330	4790	046.80E	19 37 26					
"	330	4791	021.65E	21 16 45					
November 15, 1964	330	4792	003.48W	22 56 06					
November 16, 1964	331	4793	028.63W	00 35 25					
"	331	4794	053.78W	02 14 45					
"	331	4795	078.92W	03 54 05	46.3	-11.6	218.6	16.4	37.4
"	331	4796	104.07W	05 33 25					
"	331	4797	129.22W	07 12 45					
"	331	4798	154.37W	08 52 05					
"	331	4799	179.51W	10 31 25					
"	331	4800	155.33E	12 10 45	46.6	-12.0	218.3	15.6	36.9
"	331	4801	130.18E	13 50 05	46.7	-12.1	218.3	15.4	36.8
"	331	4802	105.04E	15 29 25					
"	331	4803	079.89E	17 08 45					
"	331	4804	054.74E	18 48 05					
"	331	4805	029.59E	20 27 25					
"	331	4806	004.45E	22 06 45					
November 16, 1964	331	4807	020.69W	23 46 05					
November 17, 1964	332	4808	045.86W	01 25 27	47.2	-12.7	218.0	14.2	36.0
"	332	4809	071.01W	03 04 47					
"	332	4810	096.16W	04 44 07					
"	332	4811	121.30W	06 23 27					
"	332	4812	146.45W	08 02 47					
"	332	4813	171.60W	09 42 07					
November 17, 1964	332	4814	163.25E	11 21 27	47.6	-13.1	217.6	13.1	35.5

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
November 17, 1964	332	4815	138.10E	13 00 47	47.6	-13.2	217.6	12.9	35.4
"	332	4816	112.95E	14 40 06					
"	332	4817	087.81E	16 19 27					
"	332	4818	062.66E	17 58 46					
"	332	4819	037.51E	19 38 06					
"	332	4820	012.36E	21 17 26					
November 17, 1964	332	4821	012.77W	22 56 46					
November 18, 1964	333	4822	037.92W	00 36 06					
"	333	4823	063.07W	02 15 26	48.3	-13.8	217.0	11.3	34.6
"	333	4824	088.22W	03 54 46					
"	333	4825	113.36W	05 34 06					
"	333	4826	138.51W	07 13 26					
"	333	4827	163.66W	08 52 46					
"	333	4828	171.19E	10 32 06	48.5	-14.1	216.8	10.7	34.4
"	333	4829	146.04E	12 11 26					
"	333	4830	120.89E	13 50 46	48.6	-14.3	216.6	10.4	34.3
"	333	4831	095.75E	15 30 06					
"	333	4832	070.60E	17 09 26					
"	333	4833	045.45E	18 48 46					
"	333	4834	020.30E	20 28 06					
"	333	4835	004.83W	22 07 26					
November 18, 1964	333	4836	029.98W	23 46 46					
November 19, 1964	334	4837	055.13W	01 26 06					
"	334	4838	080.27W	03 05 26	49.2	-14.8	216.1	9.1	33.8
"	334	4839	105.42W	04 44 46					
November 19, 1964	334	4840	130.57W	06 24 06					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
November 19, 1964	334	4841	155.71W	08 03 26					
"	334	4842	179.13E	09 42 46					
"	334	4843	153.98E	11 22 06	49.5	-15.2	215.8	8.2	33.5
"	334	4844	128.84E	13 01 26	49.6	-15.3	215.8	8.1	33.5
"	334	4845	103.69E	14 40 46					
"	334	4846	078.54E	16 20 06					
"	334	4847	053.39E	17 59 26					
"	334	4848	028.25E	19 38 46					
"	334	4849	003.10E	21 18 06					
November 19, 1964	334	4850	022.04W	22 57 26					
November 20, 1964	335	4851	047.18W	00 36 46					
"	335	4852	072.33W	02 16 06	50.1	-15.8	215.3	6.7	33.1
"	335	4853	097.48W	03 55 26					
"	335	4854	122.62W	05 34 46					
"	335	4855	147.77W	07 14 06					
"	335	4856	172.92W	08 53 26					
"	335	4857	161.92E	10 32 46	50.5	-16.2	215.0	5.9	32.9
"	335	4858	136.78E	12 12 06	50.5	-16.3	214.9	5.8	32.9
"	335	4859	111.63E	13 51 26					
"	335	4860	086.48E	15 30 46					
"	335	4861	061.33E	17 10 06					
"	335	4862	036.19E	18 49 26					
"	335	4863	011.04E	20 28 46					
"	335	4864	014.10W	22 08 06					
November 20, 1964	335	4865	039.24W	23 47 26					
November 21, 1964	336	4866	064.39W	01 26 46					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
November 21, 1964	336	4867	089.54W	03 06 06	51.1	-17.0	214.4	4.3	32.6
"	336	4868	114.68W	04 45 26					
"	336	4869	139.83W	06 24 45					
"	336	4870	164.98W	08 04 06					
"	336	4871	169.86E	09 43 25	51.4	-17.3	214.2	3.7	32.5
"	336	4872	144.72E	11 22 45	51.5	-17.4	214.1	3.5	32.5
"	336	4873	119.57E	13 02 05					
"	336	4874	094.42E	14 41 25					
"	336	4875	069.28E	16 20 45					
"	336	4876	044.13E	18 00 05					
"	336	4877	018.98E	19 39 25					
"	336	4878	006.15W	21 18 45					
November 21, 1964	336	4879	031.30W	22 58 05					
November 22, 1964	337	4880	056.45W	00 37 25					
"	337	4881	081.60W	02 16 45	52.1	-18.1	213.7	2.2	32.4
"	337	4882	106.74W	03 56 05					
"	337	4883	131.89W	05 35 25					
"	337	4884	157.04W	07 14 45					
"	337	4885	177.81E	08 54 05					
"	337	4886	152.66E	10 33 25	52.4	-18.5	213.4	1.3	32.3
MAC SWITCH CHANGED FROM POSITION 8 TO 10									
"	337	4887	127.51E	12 12 45					
"	337	4888	102.36E	13 52 05	52.6	-18.3	213.2	0.7	32.2
"	337	4889	077.22E	15 31 25					
"	337	4890	052.07E	17 10 45					
November 22, 1964	337	4891	026.92E	18 50 05					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
November 22, 1964	337	4892	001.78E	20 29 25					
"	337	4893	023.36W	22 08 45					
November 22, 1964	337	4894	048.51W	23 48 05					
November 23, 1964	338	4895	073.65W	01 27 25	53.4	-17.8	212.5	-1.8	31.6
"	338	4896	098.80W	03 06 45					
"	338	4897	123.95W	04 46 05					
"	338	4898	149.10W	06 25 25					
"	338	4899	174.24W	08 04 45					
"	338	4900	160.60E	09 44 05	54.0	-17.5	212.1	-3.7	31.2
"	338	4901	135.45E	11 23 25					
"	338	4902	110.31E	13 02 45	54.2	-17.3	211.9	-4.4	31.0
"	338	4903	085.16E	14 42 05					
"	338	4904	060.01E	16 21 25					
"	338	4905	034.86E	18 00 45					
"	338	4906	009.72E	19 40 05					
"	338	4907	015.42W	21 19 25					
November 23, 1964	338	4908	040.57W	22 58 45					
November 24, 1964	339	4909	065.73W	00 38 06					
"	339	4910	090.88W	02 17 26	55.1	-16.8	211.4	-7.3	30.5
"	339	4911	116.02W	03 56 46					
"	339	4912	141.17W	05 36 06					
"	339	4913	166.32W	07 15 26					
"	339	4914	168.53E	08 54 46	55.6	-16.5	211.1	-8.8	30.4
"	339	4915	143.38E	10 34 06	55.7	-16.4	211.0	-9.1	30.4
"	339	4916	118.23E	12 13 26					
November 24, 1964	339	4917	093.08E	13 52 46					

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TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
			(Hr Min Sec)					
November 24, 1964	339	4918	067.94E	15 32 06				
"	339	4919	042.79E	17 11 26				
"	339	4920	017.64E	18 50 46				
"	339	4921	007.49W	20 30 06				
"	339	4922	032.64W	22 09 26				
November 24, 1964	339	4923	057.79W	23 48 46	-15.8	210.5	-12.0	30.2
November 25, 1964	340	4924	082.93W	01 28 06	-15.7	210.5	-12.4	30.2
"	340	4925	108.08W	03 07 26				
"	340	4926	133.23W	04 46 46				
"	340	4927	158.38W	06 26 06				
"	340	4928	176.47E	08 05 26				
"	340	4929	151.32E	09 44 46	-15.4	210.3	-14.1	30.2
"	340	4930	126.17E	11 24 06	-15.4	210.3	-14.5	30.2
"	340	4931	101.02E	13 03 26				
"	340	4932	075.88E	14 42 46				
"	340	4933	050.73E	16 22 06				
"	340	4934	025.59E	18 01 26				
"	340	4935	000.44E	19 40 46				
"	340	4936	024.70W	21 20 06				
November 25, 1964	340	4937	049.85W	22 59 26	-14.9	210.0	-17.0	30.2
November 26, 1964	341	4938	074.99W	00 38 46				
"	341	4939	100.14W	02 18 06	-14.8	210.0	-17.7	30.2
"	341	4940	125.29W	03 57 26				
"	341	4941	150.44W	05 36 46				
"	341	4942	175.58W	07 16 06				
November 26, 1964	341	4943	159.26E	08 55 26	-14.5	209.9	-19.1	30.4

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TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
November 26, 1964	341	4944	134.12E	10 34 46					
"	341	4945	108.97E	12 14 06					
"	341	4946	083.82E	13 53 26					
"	341	4947	058.67E	15 32 46					
"	341	4948	033.53E	17 12 06					
"	341	4949	008.38E	18 51 26					
"	341	4950	016.76W	20 30 46					
"	341	4951	041.91W	22 10 06	59.8	-13.9	209.7	-21.8	30.7
November 26, 1964	341	4952	067.05W	23 49 26					
November 27, 1964	342	4953	092.20W	01 28 46	60.0	-13.7	209.7	-22.5	30.8
"	342	4954	117.35W	03 08 06					
"	342	4955	142.49W	04 47 26					
"	342	4956	167.64W	06 26 46					
"	342	4957	167.20E	08 06 06	60.5	-13.5	209.7	-23.9	30.9
"	342	4958	142.06E	09 45 26	60.6	-13.4	209.8	-24.3	31.0
MAC SWITCH CHANGED FROM POSITION 10 TO 11									
"	342	4959	116.91E	11 24 46					
"	342	4960	091.76E	13 04 06					
"	342	4961	066.61E	14 43 26					
"	342	4962	041.46E	16 22 45					
"	342	4963	016.32E	18 02 06					
"	342	4964	008.82W	19 41 26					
"	342	4965	033.96W	21 20 45	62.2	-11.7	211.2	-29.3	30.5
November 27, 1964	342	4966	059.11W	23 00 06					
November 28, 1964	343	4967	084.26W	00 39 25	62.6	-11.3	211.7	-30.7	30.4
"	343	4968	109.41W	02 18 45					
November 28, 1964	343	4969	134.55W	03 58 05					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
November 28, 1964	343	4970	159.70W	05 37 25	63.3	-10.7	212.8	-32.7	30.4
"	343	4971	175.14E	07 16 45					
"	343	4972	150.00E	08 56 05					
"	343	4973	124.85E	10 35 25					
"	343	4974	099.70E	12 14 45					
"	343	4975	074.55E	13 54 05					
"	343	4976	049.41E	15 33 25					
"	343	4977	024.26E	17 12 45					
"	343	4978	000.88W	18 52 05					
"	343	4979	026.02W	20 31 25					
"	343	4980	051.17W	22 10 45	65.5	-8.7	216.4	-39.3	30.3
November 28, 1964	343	4981	076.32W	23 50 05					
November 29, 1964	344	4982	101.46W	01 29 25	66.0	-8.3	217.5	-40.6	30.3
"	344	4983	126.61W	03 08 45					
"	344	4984	151.76W	04 48 05					
"	344	4985	176.90W	05 27 25					
"	344	4986	157.94E	03 06 45	67.0	-7.5	220.2	-43.1	30.6
"	344	4987	132.79E	09 46 05					
"	344	4988	107.64E	11 25 25					
"	344	4989	082.50E	13 04 45					
"	344	4990	057.35E	14 44 05					
"	344	4991	032.20E	16 23 25					
"	344	4992	007.06E	18 02 45					
"	344	4993	018.08W	19 42 05					
"	344	4994	043.23W	21 21 25	69.0	-5.9	225.7	-48.0	31.2
November 29, 1964	344	4995	068.38W	23 00 45					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
November 30, 1964	345	4996	093.52W	00 40 05	69.4	-5.5	227.5	-49.1	31.4
"	345	4997	118.67W	02 19 25					
"	345	4998	143.82W	03 58 45					
"	345	4999	168.96W	05 38 05					
"	345	5000	165.88E	07 17 25	70.4	-4.9	231.8	-50.7	31.9
"	345	5001	140.74E	08 56 45					
"	345	5002	115.59E	10 36 05					
"	345	5003	090.44E	12 15 25					
"	345	5004	065.29E	13 54 45					
"	345	5005	040.14E	15 34 05					
"	345	5006	015.00E	17 13 25					
"	345	5007	010.14W	18 52 45					
"	345	5008	035.29W	20 32 05	72.4	-3.6	240.3	-54.0	33.0
"	345	5009	060.43W	22 11 25					
November 30, 1964	345	5010	085.58W	23 50 45	72.9	-3.3	242.4	-54.8	33.2
December 1, 1964	346	5011	110.75W	01 30 07					
"	346	5012	135.90W	03 09 27					
"	346	5013	161.05W	04 48 47					
"	346	5014	173.00E	06 28 07	73.8	-3.3	247.2	-54.8	33.4
"	346	5015	148.65E	08 07 27					
"	346	5016	123.50E	09 46 47					
"	346	5017	098.36E	11 26 07					
"	346	5018	073.21E	13 05 27					
"	346	5019	048.06E	14 44 47					
"	346	5020	022.92E	16 24 07					
"	346	5021	002.22W	18 03 27					
"	346	5022	027.37W	19 42 47	75.6	-3.3	256.8	-54.7	33.7
December 1, 1964	346	5023	052.52W	21 22 06					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
December 1, 1964	346	5024	077.66W	25 01 27	76.1	-3.3	259.1	-54.7	33.8
December 2, 1964	347	5025	102.81W	00 40 46					
"	347	5026	127.96W	02 20 06					
"	347	5027	153.10W	03 59 27					
"	347	5028	178.25W	05 38 47	77.0	-4.0	263.1	-53.1	33.6
"	347	5029	156.59E	07 18 06					
"	347	5030	131.45E	08 57 27					
"	347	5031	106.30E	10 36 46					
"	347	5032	081.15E	12 16 06					
"	347	5033	056.00E	13 55 26					
"	347	5034	030.86E	15 34 46	78.4	-4.9	269.0	-50.7	33.3
"	347	5035	005.71E	17 14 06					
"	347	5036	019.43W	18 53 27					
"	347	5037	044.58W	20 32 46					
"	347	5038	069.72W	22 12 06					
December 2, 1964	347	5039	094.87W	23 51 26	79.6	-5.6	273.9	-48.8	33.1
December 3, 1964	348	5040	120.02W	01 30 46					
"	348	5041	145.16W	03 10 06					
"	348	5042	170.31W	04 49 27					
"	348	5043	164.53E	06 28 46	80.5	-6.4	276.5	-46.4	33.1
"	348	5044	139.39E	08 08 06					
"	348	5045	114.24E	09 47 26					
"	348	5046	059.09E	11 26 46					
"	348	5047	063.95E	13 06 06					
"	348	5048	038.80E	14 45 26	81.7	-7.5	279.7	-43.4	33.0
December 3, 1964	348	5049	013.65E	16 24 46					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
December 3, 1964	348	5050	011.49W	18 04 06					
"	348	5051	036.63W	19 43 26					
"	348	5052	061.78W	21 22 46					
"	348	5053	086.93W	23 02 06	82.9	-8.5	283.0	-40.3	33.0
December 4, 1964	349	5054	112.07W	00 41 26					
"	349	5055	137.22W	02 20 46	83.3	-8.9	283.6	-39.1	33.1
"	349	5056	162.37W	04 00 06					
"	349	5057	172.48E	05 39 26	83.8	-9.3	284.3	-37.8	33.2
"	349	5058	147.33E	07 18 46					
"	349	5059	122.18E	08 58 06					
"	349	5060	097.03E	10 37 26					
"	349	5061	071.89E	12 16 46					
"	349	5062	046.74E	13 56 06	84.8	-10.3	286.0	-34.6	33.4
"	349	5063	021.59E	15 35 26					
"	349	5064	003.55W	17 14 46					
"	349	5065	028.69W	18 54 06					
"	349	5066	053.84W	20 33 26					
"	349	5067	078.99W	22 12 46	85.9	11.3	287.7	-31.4	33.6
December 4, 1964	349	5068	104.13W	23 52 06					
December 5, 1964	350	5069	129.28W	01 31 26	86.4	-11.7	288.2	-30.1	33.8
"	350	5070	154.43W	03 10 46					
"	350	5071	179.58W	04 50 06	86.8	-12.2	288.5	-28.7	34.0
"	350	5072	155.27E	06 29 26					
"	350	5073	130.12E	08 08 46					
"	350	5074	104.97E	09 48 06					
December 5, 1964	350	5075	079.83E	11 27 26					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg) Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
December 5, 1964	350	5076	054.68E 13 06 46					
"	350	5077	029.53E 14 46 06	88.1	-13.7	289.5	-24.4	34.6
"	350	5078	004.39E 16 25 26					
"	350	5079	020.75W 18 04 46					
"	350	5080	045.90W 19 44 06					
"	350	5081	071.05W 21 23 26					
December 5, 1964	350	5082	096.19W 23 02 46	89.2	-15.0	290.3	-20.8	35.1
December 6, 1964	351	5083	121.34W 00 42 06					
"	351	5084	146.49W 02 21 26	89.6	-15.6	290.3	-19.3	35.4
"	351	5085	171.64W 04 00 46					
"	351	5086	163.21E 05 40 06	90.0	-16.2	290.4	-17.8	35.8
"	351	5087	138.06E 07 19 26					
"	351	5088	112.91E 08 58 46					
"	351	5089	087.77E 10 38 06	90.7	-17.1	290.5	-15.6	36.3
"	351	5090	062.62E 12 17 26					
"	351	5091	037.47E 13 56 46					
"	351	5092	012.33E 15 36 06					
"	351	5093	012.81W 17 15 26					
"	351	5094	037.96W 18 54 46					
"	351	5095	063.10W 20 34 06					
"	351	5096	088.25W 22 13 26	92.2	-19.1	290.6	-10.3	37.6
December 6, 1964	351	5097	113.40W 23 52 46					
December 7, 1964	352	5098	138.55W 01 32 06	92.6	-19.8	290.5	-8.8	38.0
"	352	5099	163.69W 03 11 26					
"	352	5100	171.15E 04 50 46	93.0	-20.5	290.3	-7.2	38.5
December 7, 1964	352	5101	146.00E 06 30 06					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg) Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	R.A.S.A (Deg)	DEC SA (Deg)	GAMMA (Deg)
December 7, 1964	352	5102	120.86E 08 09 26					
"	352	5103	095.71E 09 48 46	93.6	-21.6	289.9	-4.9	39.2
"	352	5104	070.56E 11 28 06					
"	352	5105	045.42E 13 07 26					
"	352	5106	020.27E 14 46 46					
"	352	5107	004.87W 16 26 06					
"	352	5108	030.02W 18 05 26					
"	352	5109	055.16W 19 44 46					
"	352	5110	080.31W 21 24 06	95.1	-24.1	289.1	0.6	40.9
December 7, 1964	352	5111	105.46W 23 03 26					
December 8, 1964	353	5112	130.62W 00 42 44	95.5	-25.0	288.6	2.2	41.5
"	353	5113	155.77W 02 22 04					
"	353	5114	179.07E 04 01 24	96.0	-25.9	288.0	3.8	42.1
"	353	5115	153.93E 05 40 44					
"	353	5116	128.78E 07 28 04					
"	353	5117	103.63E 08 59 24					
"	353	5118	078.49E 10 38 44					
"	353	5119	053.34E 12 18 04					
"	353	5120	028.19E 13 57 24	97.2	-28.7	286.3	8.8	44.0
"	353	5121	003.05E 15 36 44					
"	353	5122	022.09W 17 16 04					
"	353	5123	047.24W 18 55 24					
"	353	5124	072.39W 20 34 44					
"	353	5125	097.53W 22 14 04	98.3	-31.1	284.8	12.9	45.6
December 8, 1964	353	5126	MAC SWITCH CHANGED FROM POSITION 11 TO 9 122.68W 23 53 24					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
December 9, 1964	354	5127	147.83W	01 32 44	98.4	-31.1	284.6	13.2	45.7
"	354	5128	172.97W	03 12 04					
"	354	5129	161.87E	04 51 24	98.6	-31.1	284.3	13.7	45.8
"	354	5130	136.72E	06 30 44					
"	354	5131	111.57E	03 10 04					
"	354	5132	086.43E	09 49 24	98.8	-31.1	284.0	14.4	46.1
"	354	5133	061.28E	11 28 44					
"	354	5134	036.13E	13 08 04	99.0	-31.1	283.7	14.8	46.2
"	354	5135	010.99E	14 47 24					
"	354	5136	014.15W	16 26 44					
"	354	5137	039.30W	18 06 04					
"	354	5138	064.44W	19 45 24					
"	354	5139	089.59W	21 24 44	0.1	-31.1	283.1	16.0	46.6
December 9, 1964	354	5140	114.74W	23 04 04					
December 10, 1964	355	5141	139.89W	00 43 24	0.3	-31.1	282.9	16.4	46.8
"	355	5142	165.03W	02 22 44	0.3	-31.1	282.7	16.6	46.9
"	355	5143	169.81E	04 02 04	0.4	-31.1	282.6	16.8	47.0
"	355	5144	144.67E	05 41 24					
"	355	5145	119.52E	07 20 44	0.6	-31.1	282.3	17.3	47.1
"	355	5146	094.37E	09 00 04					
"	355	5147	069.22E	10 39 24					
"	355	5148	044.08E	12 18 44					
"	355	5149	018.93E	13 58 04					
"	355	5150	006.21W	15 37 24					
"	355	5151	031.35W	17 16 44					
"	355	5152	056.50W	18 56 04					
December 10, 1964	355	5153	081.65W	20 35 23	1.2	-31.1	281.3	19.0	47.8

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	LONGITUDE (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
December 10, 1964	355	5154	106.80W	22 14 44					
December 10, 1964	355	5155	131.94W	23 54 03	1.3	-31.1	281.0	19.0	47.8
December 11, 1964	356	5156	157.09W	01 33 23					
"	356	5157	177.75E	03 12 43	1.5	-31.1	280.7	19.8	48.1
"	356	5158	152.61E	04 52 03					
"	356	5159	127.46E	06 31 23					
"	356	5160	102.31E	08 10 43	1.7	-31.1	280.2	20.3	48.3
"	356	5161	077.16E	09 50 03					
"	356	5162	052.02E	11 29 23					
"	356	5163	026.87E	13 08 43					
"	356	5164	001.72E	14 48 03					
"	356	5165	023.41W	16 27 23					
"	356	5166	048.56W	18 06 43					
"	356	5167	073.71W	19 46 03					
"	356	5168	098.85W	21 25 23	2.2	-31.1	279.1	21.9	49.0
December 11, 1964	356	5169	124.00W	23 04 43					
December 12, 1964	357	5170	149.15W	00 44 03	2.4	-31.1	278.8	22.3	49.2
"	357	5171	174.30W	02 23 23					
"	357	5172	160.55E	04 02 43	2.5	-31.1	278.5	22.7	49.4
"	357	5173	135.40E	05 42 03					
"	357	5174	110.25E	07 21 23					
"	357	5175	085.11E	09 00 43	2.7	-31.1	278.0	23.3	49.8
"	357	5176	059.96E	10 40 03					
"	357	5177	034.81E	12 19 23					
"	357	5178	009.66E	13 58 43					
December 12, 1964	357	5179	015.47W	15 38 03					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
December 12, 1964	357	5180	040.62W	17 17 23					
"	357	5181	065.77W	18 56 43					
"	357	5182	090.91W	20 36 03	3.2	-31.1	277.0	24.7	50.6
"	357	5183	116.06W	22 15 23					
December 12, 1964	357	5184	141.21W	23 54 43	3.4	-31.1	276.7	25.1	50.8
December 13, 1964	358	5185	166.36W	01 34 03	3.5	-31.1	276.5	25.3	51.0
"	358	5186	168.49E	03 13 23					
"	358	5187	143.34E	04 52 43					
"	358	5188	118.19E	06 32 03	3.7	-31.1	276.1	26.0	51.4
"	358	5189	093.05E	08 11 23					
"	358	5190	067.90E	09 50 43					
"	358	5191	042.75E	11 30 03					
"	358	5192	017.61E	13 09 23					
"	358	5193	007.53W	14 48 43					
"	358	5194	032.68W	16 28 03					
"	358	5195	057.83W	18 07 23					
"	358	5196	082.97W	19 46 43	4.3	-31.1	274.9	27.7	52.6
"	358	5197	108.12W	21 26 03					
December 13, 1964	358	5198	133.27W	23 05 23	4.5	-31.1	274.6	28.1	52.9
December 14, 1964	359	5199	158.41W	00 44 43	4.5	-31.1	274.5	28.3	53.1
"	359	5200	176.43E	02 24 03					
"	359	5201	151.28E	04 03 23					
"	359	5202	126.13E	05 42 42					
"	359	5203	100.99E	07 22 02					
"	359	5204	075.84E	09 01 22	4.9	-31.1	273.7	29.5	54.0
December 14, 1964	359	5205	050.69E	10 40 42					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
December 14, 1964	359	5206	025.55E	12 20 02					
"	359	5207	000.40E	13 59 22					
"	359	5208	024.74W	15 38 42					
"	359	5209	049.88W	17 18 02					
"	359	5210	075.03W	18 57 22					
"	359	5211	100.18W	20 36 42	5.5	-31.1	272.7	31.1	55.2
"	359	5212	125.32W	22 16 02	5.5	-31.1	272.5	31.1	55.2
MAC SWITCH CHANGED FROM POSITION 9 TO 7									
December 14, 1964	359	5213	150.47W	23 55 22	5.5	-31.0	272.4	31.1	55.2
December 15, 1964	360	5214	175.64W	01 34 44					
"	360	5215	159.20E	03 14 04	5.5	-30.8	272.2	31.2	55.2
"	360	5216	134.05E	04 53 24					
"	360	5217	108.90E	06 32 44					
"	360	5218	083.76E	08 12 04					
"	360	5219	058.61E	09 51 24	5.6	-30.5	271.9	31.3	55.3
"	360	5220	033.46E	11 30 44					
"	360	5221	008.32E	13 10 04					
"	360	5222	016.82W	14 49 24					
"	360	5223	041.97W	16 28 44					
"	360	5224	067.12W	18 08 04					
"	360	5225	092.26W	19 47 24	5.8	-29.8	271.2	31.7	55.5
"	360	5226	117.41W	21 26 44					
December 15, 1964	360	5227	142.56W	23 06 04	5.9	-29.6	271.0	31.8	55.6
December 16, 1964	361	5228	167.70W	00 45 24					
"	361	5229	167.14E	02 24 44	6.0	-29.4	270.8	31.9	55.6
December 16, 1964	361	5230	141.99E	04 04 04					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
December 16, 1964	361	5231	116.84E	05 43 24					
"	361	5232	091.70E	07 22 44	6.0	-29.0	270.6	32.0	55.7
"	361	5233	066.55E	09 02 04					
"	361	5234	041.40E	10 41 24					
"	361	5235	016.26E	12 20 44					
"	361	5236	008.88W	14 00 04					
"	361	5237	034.03W	15 39 24					
"	361	5238	059.18W	17 18 44					
"	361	5239	084.32W	18 58 04	6.2	-28.2	270.0	32.4	56.0
"	361	5240	109.47W	20 37 24					
"	361	5241	134.62W	22 16 44	6.3	-28.0	269.8	32.5	56.0
"	361	5242	159.76W	23 56 04					
December 17, 1964	362	5243	175.08E	01 35 24	6.4	-27.8	269.7	32.5	56.1
"	362	5244	149.93E	03 14 44	6.4	-27.7	269.6	32.6	56.1
"	362	5245	124.78E	04 54 04					
"	362	5246	099.64E	06 33 24					
"	362	5247	074.49E	08 12 44	6.5	-27.3	269.4	32.7	56.2
"	362	5248	049.34E	09 52 04					
"	362	5249	024.20E	11 31 24					
"	362	5250	000.94W	13 10 44					
"	362	5251	026.09W	14 50 04					
"	362	5252	051.24W	16 29 23					
"	362	5253	076.38W	18 08 44	6.6	-26.6	269.0	32.9	56.4
"	362	5254	101.53W	19 48 03	6.7	-26.4	268.9	33.0	56.4
"	362	5255	126.68W	21 27 23	6.7	-26.3	268.8	33.0	56.5
December 17, 1964	362	5256	151.82W	23 06 44					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	R.A SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
December 18, 1964	363	5257	176.97W	00 46 04	6.8	-26.1	268.7	33.1	56.5
"	363	5258	157.87E	02 25 23	6.8	-26.0	268.6	33.1	56.6
"	363	5259	132.73E	04 04 44					
"	363	5260	107.58E	05 44 04					
"	363	5261	082.43E	07 23 23	6.9	-25.6	268.4	33.3	56.7
"	363	5262	057.29E	09 02 44					
"	363	5263	032.14E	10 42 03					
"	363	5264	006.99E	12 21 23					
"	363	5265	018.15W	14 00 43					
"	363	5266	043.29W	15 40 03					
"	363	5267	068.44W	17 19 23	7.1	-24.8	267.8	33.6	57.0
"	363	5268	093.59W	18 58 43					
"	363	5269	118.73W	20 38 03					
"	363	5270	143.88W	22 17 23	7.1	-24.6	267.7	33.6	57.1
"	363	5271	169.03W	23 56 43					
December 18, 1964	364	5272	165.81E	01 36 03	7.2	-24.4	267.5	33.7	57.1
"	364	5273	140.67E	03 15 23					
"	364	5274	115.52E	04 54 43					
"	364	5275	090.37E	06 34 03	7.3	-24.1	267.2	33.9	57.3
"	364	5276	065.23E	08 13 23					
"	364	5277	040.08E	09 52 43					
"	364	5278	014.93E	11 32 03					
"	364	5279	010.21W	13 11 23					
"	364	5280	035.35W	14 50 43					
"	364	5281	060.50W	16 30 03					
"	364	5282	085.65W	18 09 23	7.5	-23.3	266.7	34.2	57.6
"	364	5283	110.79W	19 48 43	7.5	-23.2	266.6	34.2	57.7
December 19, 1964	364	5283							

TABLE A-2

TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
December 19, 1964	364	5284	135.94W	21 28 03					
December 19, 1964	364	5285	161.09W	23 07 23	7.6	-23.0	266.4	34.3	57.8
December 20, 1964	365	5286	173.75E	00 46 43					
"	365	5287	148.61E	02 26 03	7.6	-22.8	266.3	34.4	57.8
"	365	5288	123.46E	04 05 23					
"	365	5289	098.31E	05 44 43	7.7	-22.5	266.2	34.5	57.9
"	365	5290	073.16E	07 24 03					
"	365	5291	048.02E	09 03 23					
"	365	5292	022.87E	10 42 43					
"	365	5293	002.27W	12 22 03					
"	365	5294	027.41W	14 01 23	7.8	-21.9	265.9	34.6	58.1
"	365	5295	052.56W	15 40 43					
"	365	5296	077.71W	17 20 03	7.9	-21.6	265.8	34.7	58.2
"	365	5297	102.86W	18 59 23	7.9	-21.5	265.7	34.7	58.3
MAC SWITCH CHANGED FROM POSITION 7 TO 2									
"	365	5298	128.00W	20 38 43					
"	365	5299	153.15W	22 18 03	7.8	-20.8	265.8	34.2	57.7
December 20, 1964	365	5300	178.30W	23 57 23	7.8	-20.5	265.8	33.9	57.5
December 21, 1964	366	5301	156.55E	01 36 43	7.8	-20.1	265.9	33.7	57.2
"	366	5302	131.40E	03 16 03					
"	366	5303	106.26E	04 55 23	7.7	-19.4	266.0	33.1	56.7
"	366	5304	081.11E	06 34 43	7.7	-19.1	266.0	32.9	56.4
"	366	5305	055.96E	08 14 03					
"	366	5306	030.81E	09 53 23					
"	366	5307	005.67E	11 32 43					
December 21, 1964	366	5308	019.47W	13 12 03					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg) Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
December 21, 1964	366	5309	044.62W 14 51 23					
"	366	5310	069.76W 16 30 43					
"	366	5311	094.91W 18 10 03	7.4	-16.6	266.4	31.0	54.6
"	366	5312	120.06W 19 49 23	7.4	-16.3	266.4	30.8	54.3
"	366	5313	145.21W 21 28 43	7.3	-16.0	266.5	30.5	54.0
December 21, 1964	366	5314	170.35W 23 08 03					
December 22, 1964	367	5315	164.48E 00 47 21	7.3	-15.3	266.6	30.0	53.5
"	367	5316	139.33E 02 26 41	7.2	-14.9	266.6	29.7	53.3
"	367	5317	114.18E 04 06 01					
"	367	5318	089.04E 05 45 21	7.2	-14.2	266.7	29.2	52.7
"	367	5319	063.89E 07 24 41					
"	367	5320	038.74E 09 04 01					
"	367	5321	013.60E 10 43 21					
"	367	5322	011.54W 12 22 41					
"	367	5323	036.69W 14 02 01					
"	367	5324	061.83W 15 41 21					
"	367	5325	086.98W 17 20 41	6.9	-11.8	267.0	27.3	50.9
"	367	5326	112.13W 19 00 01					
"	367	5327	137.28W 20 39 21	6.9	-11.1	267.1	26.8	50.4
"	367	5328	162.42W 22 18 41					
December 22, 1964	367	5329	172.42E 23 58 01	6.8	-10.4	267.2	26.2	49.8
December 23, 1964	368	5330	147.27E 01 37 21	6.7	-10.0	267.3	25.9	49.5
"	368	5331	122.13E 03 16 41	6.7	-9.6	267.3	25.6	49.2
"	368	5332	096.98E 04 56 01					
"	368	5333	071.83E 06 35 21	6.6	-8.8	267.5	25.0	48.6
"	368	5334	046.68E 08 14 41					
"	368	5335	021.54E 09 54 01					
"	368	5336	003.60W 11 33 21					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
December 23, 1964	368	5337	028.75W	13 12 41					
"	368	5338	053.89W	14 52 01	6.4	-6.4	267.8	23.1	46.7
"	368	5339	079.04W	16 31 21	6.4	-6.0	267.9	22.8	46.4
"	368	5340	104.19W	18 10 41					
"	368	5341	129.33W	19 50 00	6.3	-5.2	268.0	22.1	45.7
"	368	5342	154.48W	21 29 21	6.3	-4.8	268.0	21.8	45.4
December 23, 1964	368	5343	179.63W	23 08 40					
December 24, 1964	369	5344	155.22E	00 48 00	6.3	-4.4	268.1	21.5	45.1
"	369	5345	130.07E	02 27 20	6.2	-4.0	268.1	21.2	44.8
"	369	5346	104.92E	04 06 40	6.2	-3.6	268.2	20.9	44.6
"	369	5347	079.78E	05 46 00					
"	369	5348	054.63E	07 25 20					
"	369	5349	029.48E	09 04 40					
"	369	5350	004.33E	10 44 00					
"	369	5351	020.80W	12 23 20					
"	369	5352	045.95W	14 02 40					
"	369	5353	071.10W	15 42 00					
"	369	5354	096.25W	17 21 20					
"	369	5355	121.39W	19 00 40					
"	369	5356	146.54W	20 40 00					
"	369	5357	171.69W	22 19 20					
December 24, 1964	369	5358	163.16E	23 58 40					
December 25, 1964	370	5359	138.01E	01 38 00					
"	370	5360	112.86E	03 17 20					
"	370	5361	087.72E	04 56 40					
December 25, 1964	370	5362	062.57E	06 36 00					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	R.A SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
December 25, 1964	370	5363	037.43E	08 15 20					
"	370	5364	012.28E	09 54 40					
"	370	5365	012.86W	11 34 00					
"	370	5366	038.01W	13 13 20					
"	370	5367	063.15W	14 52 40					
"	370	5368	088.30W	16 32 00					
"	370	5369	113.45W	18 11 20					
"	370	5370	138.60W	19 50 40					
"	370	5371	163.74W	21 30 00					
December 25, 1964	370	5372	171.10E	23 09 20					
December 26, 1964	371	5373	145.95E	00 48 40					
"	371	5374	120.81E	02 28 00					
"	371	5375	095.66E	04 07 20					
"	371	5376	070.51E	05 46 40					
"	371	5377	045.36E	07 26 00					
"	371	5378	020.22E	09 05 20					
"	371	5379	004.92W	10 44 40					
"	371	5380	030.06W	12 24 00					
"	371	5381	055.21W	14 03 19					
"	371	5382	080.36W	15 42 39	5.7	10.9	270.7	11.2	34.8
"	371	5383	105.51W	17 21 59	5.7	11.3	270.8	11.0	34.6
MAC SWITCH CHANGED FROM POSITION 2 TO 7									
"	371	5384	130.66W	19 01 19					
"	371	5385	155.80W	20 40 39	5.8	11.5	270.8	11.2	34.9
"	371	5386	179.04E	22 19 59					
December 26, 1964	371	5387	153.90E	23 59 19	5.9	11.7	270.7	11.5	35.1
December 27, 1964	372	5388	128.75E	01 38 39					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
December 27, 1964	372	5389	103.60E	03 17 59					
"	372	5390	078.45E	04 57 19					
"	372	5391	053.30E	06 36 39					
"	372	5392	028.16E	08 15 59					
"	372	5393	003.01E	09 55 19					
"	372	5394	022.12W	11 34 39					
"	372	5395	047.27W	13 13 59					
"	372	5396	072.42W	14 53 19					
"	372	5397	097.57W	16 32 39	6.6	13.1	270.7	12.4	36.2
"	372	5398	122.71W	18 11 59					
"	372	5399	147.86W	19 51 19					
"	372	5400	173.01W	21 30 39	6.8	13.5	270.7	12.7	36.5
December 27, 1964	372	5401	161.84E	23 09 59					
December 28, 1964	373	5402	136.69E	00 49 19	6.9	13.7	270.7	12.9	36.7
"	373	5403	111.54E	02 28 39	7.0	13.9	270.7	13.0	36.8
"	373	5404	086.40E	04 07 59					
"	373	5405	061.25E	05 47 19					
"	373	5406	036.10E	07 26 39					
"	373	5407	010.95E	09 05 59					
"	373	5408	014.18W	10 45 19					
"	373	5409	039.33W	12 24 39					
"	373	5410	064.48W	14 03 59					
"	373	5411	089.62W	15 43 19	7.5	14.9	270.7	13.7	37.6
"	373	5412	114.77W	17 22 39					
"	373	5413	139.92W	19 01 59					
"	373	5414	165.06W	20 41 19	7.6	15.3	270.7	14.0	37.9
December 28, 1964	373	5415	169.78E	22 20 38					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	LONGITUDE (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	R.A. SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
December 29, 1964	374	5416	144.60E	00 00 00	7.8	15.6	270.7	14.2	38.1
"	374	5417	119.46E	01 39 20	7.8	15.7	270.7	14.3	38.2
"	374	5418	094.31E	03 18 40					
"	374	5419	069.16E	04 58 00					
"	374	5420	044.02E	06 37 20					
"	374	5421	018.87E	08 16 40					
"	374	5422	006.27W	09 56 00					
"	374	5423	031.42W	11 35 19					
"	374	5424	056.56W	13 14 40	8.3	16.4	270.6	15.0	39.0
"	374	5425	081.71W	14 53 59	8.3	16.5	270.6	15.1	39.2
"	374	5426	106.86W	16 33 19	8.4	16.6	270.6	15.2	39.3
"	374	5427	132.00W	18 12 40	8.5	16.7	270.5	15.4	39.4
"	374	5428	157.15W	19 51 59					
"	374	5429	177.69E	21 31 19					
"	374	5430	152.55E	23 10 39	8.7	17.0	270.5	15.7	39.7
December 29, 1964									
December 30, 1964	375	5431	127.40E	00 49 59					
"	375	5432	102.25E	02 29 19	8.8	17.2	270.5	15.9	39.9
"	375	5433	077.11E	04 08 39					
"	375	5434	051.96E	05 47 59					
"	375	5435	026.81E	07 27 19					
"	375	5436	001.66E	09 06 39					
"	375	5437	023.47W	10 45 59					
"	375	5438	048.62W	12 25 19	9.2	18.0	270.4	16.5	40.6
"	375	5439	073.77W	14 04 39					
"	375	5440	098.92W	15 43 59	9.3	18.1	270.4	16.6	40.7
"	375	5441	124.06W	17 23 19	9.4	18.3	270.4	16.6	40.8
"	375	5442	149.21W	19 02 39	9.4	18.4	270.4	16.7	40.9
December 30, 1964									

TAB. E A-2

TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
December 30, 1964	375	5443	174.35W	20 41 59	9.5	18.5	270.4	16.8	41.0
December 30, 1964	375	5444	160.49E	22 21 19	9.6	18.6	270.4	16.9	41.1
December 31, 1964	376	5445	135.34E	00 00 39	9.6	18.7	270.5	17.1	41.3
"	376	5446	110.19E	01 39 59	9.7	18.8	270.5	17.2	41.4
"	376	5447	085.05E	03 19 19					
"	376	5448	059.90E	04 58 39					
"	376	5449	034.75E	06 37 59					
"	376	5450	009.61E	08 17 19					
"	376	5451	015.53W	09 56 39					
"	376	5452	040.68W	11 35 59					
"	376	5453	065.82W	13 15 19	10.3	19.4	270.8	18.3	42.5
"	376	5454	090.97W	14 54 39	10.4	19.5	270.8	18.4	42.7
"	376	5455	116.12W	16 33 59	10.5	19.6	270.8	18.6	42.8
"	376	5456	141.27W	18 13 19	10.6	19.6	270.9	18.7	43.0
"	376	5457	166.42W	19 52 39					
"	376	5458	168.43E	21 31 59					
December 31, 1964	376	5459	143.28E	23 11 19					
January 1, 1965	377	5460	118.14E	00 50 39	11.0	19.9	271.0	19.4	43.7
"	377	5461	092.99E	02 29 59					
"	377	5462	067.84E	04 09 19					
"	377	5463	042.69E	05 48 39					
"	377	5464	017.55E	07 27 59					
"	377	5465	007.59W	09 07 19					
"	377	5466	032.74W	10 46 39					
"	377	5467	057.88W	12 25 59					
January 1, 1965	377	5468	083.03W	14 05 19					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
January 1, 1965	377	5469	108.18W	15 44 39					
"	377	5470	133.32W	17 23 59					
"	377	5471	158.47W	19 03 19					
"	377	5472	176.37E	20 42 39					
January 1, 1965	377	5473	151.23E	22 21 59					
January 2, 1965	378	5474	126.08E	00 01 19					
"	378	5475	100.93E	01 40 39					
"	378	5476	075.78E	03 19 59					
"	378	5477	050.64E	04 59 19					
"	378	5478	025.49E	06 38 39					
"	378	5479	000.34E	08 17 59					
"	378	5480	024.79W	09 57 19					
"	378	5481	049.94W	11 36 38	13.0	21.5	272.6	22.8	46.8
"	378	5482	075.09W	13 15 58					
"	378	5483	100.24W	14 55 18	13.2	21.6	272.7	23.1	47.1
"	378	5484	125.39W	16 34 38	13.3	21.7	272.8	23.3	47.2
"	378	5485	150.53W	18 13 58	13.4	21.8	272.9	23.4	47.4
"	378	5486	175.68W	19 53 18					
"	378	5487	159.17E	21 32 38	13.6	21.9	273.0	23.7	47.7
January 2, 1965	378	5488	134.02E	23 11 58	13.7	22.0	273.1	23.9	47.8
January 3, 1965	379	5489	108.87E	00 51 18	13.8	22.1	273.2	24.0	47.9
"	379	5490	083.72E	02 30 38	13.9	22.2	273.3	24.1	48.0
"	379	5491	058.58E	04 09 58					
"	379	5492	033.43E	05 49 18					
"	379	5493	008.28E	07 28 38					
January 3, 1965	379	5494	016.85W	09 07 58					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
January 3, 1965	379	5495	042.00W	10 47 18					
"	379	5496	067.15W	12 26 38	14.5	22.7	273.9	24.8	48.6
"	379	5497	092.30W	14 05 58	14.6	22.8	274.0	24.9	48.7
"	379	5498	117.44W	15 45 18	14.7	22.9	274.1	25.0	48.8
"	379	5499	142.59W	17 24 38					
"	379	5500	167.74W	19 03 58	14.9	23.1	274.3	25.2	49.0
"	379	5501	167.11E	20 43 18					
January 3, 1965	379	5502	141.96E	22 22 38	15.1	23.3	274.5	25.4	49.2
January 4, 1965	380	5503	116.81E	00 01 58	15.2	23.4	274.6	25.5	49.3
"	380	5504	091.67E	01 41 18	15.2	23.4	274.7	25.6	49.3
"	380	5505	066.52E	03 20 38					
"	380	5506	041.37E	04 59 58					
"	380	5507	016.22E	06 39 18					
"	380	5508	008.91W	08 18 38					
"	380	5509	034.06W	09 57 58					
"	380	5510	059.21W	11 37 18	15.8	23.9	275.3	26.3	49.9
"	380	5511	084.35W	13 16 38	15.9	24.0	275.4	26.4	50.0
"	380	5512	109.50W	14 55 58	16.0	24.0	275.5	26.5	50.1
"	380	5513	134.65W	16 35 18					
"	380	5514	159.79W	18 14 38	16.2	24.2	275.7	26.7	50.2
"	380	5515	175.05E	19 53 58					
"	380	5516	149.90E	21 33 18	16.4	24.3	275.9	26.9	50.4
January 4, 1965	380	5517	124.75E	23 12 38	16.5	24.4	276.0	27.0	50.5
January 5, 1965	381	5518	099.59E	00 51 58	16.6	24.5	276.1	27.1	50.6
"	381	5519	074.45E	02 31 18	16.7	24.6	276.3	27.1	50.6
January 5, 1965	381	5520	049.30E	04 10 38					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
January 5, 1965	381	5521	024.15E	05 49 58					
"	381	5522	000.98W	07 29 18					
"	381	5523	026.13W	09 08 38					
"	381	5524	051.28W	10 47 58	17.2	24.9	276.8	27.5	50.9
"	381	5525	076.42W	12 27 18					
"	381	5526	101.57W	14 06 38	17.4	25.1	277.0	27.6	51.0
"	381	5527	126.72W	15 45 58	17.5	25.2	277.1	27.7	51.1
"	381	5528	151.87W	17 25 17					
"	381	5529	177.01W	19 04 38	17.7	25.3	277.3	27.8	51.2
"	381	5530	157.83E	20 43 57					
January 5, 1965	381	5531	132.68E	22 23 17					
January 6, 1965	382	5532	107.54E	00 02 37	18.0	25.6	277.7	28.0	51.3
"	382	5533	082.39E	01 41 57					
"	382	5534	057.24E	03 21 17					
"	382	5535	032.09E	05 00 37					
"	382	5536	006.95E	06 39 57					
"	382	5537	018.19W	08 19 17					
"	382	5538	043.34W	09 58 37					
"	382	5539	068.49W	11 37 57					
"	382	5540	093.63W	13 17 17					
"	382	5541	118.78W	14 56 37					
"	382	5542	143.92W	16 35 57					
"	382	5543	169.07W	18 15 17					
"	382	5544	165.77E	19 54 37					
"	382	5545	140.62E	21 33 57					
January 6, 1965	382	5546	115.48E	23 13 17	19.3	26.6	279.3	28.7	51.8

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TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
January 7, 1965	383	5547	090.33E	00 52 37	19.4	26.7	279.4	28.8	51.8
"	383	5548	065.18E	02 31 57					
"	383	5549	040.03E	04 11 17					
"	383	5550	014.89E	05 50 37					
"	383	5551	010.25W	07 29 57					
"	383	5552	035.40W	09 09 17					
"	383	5553	060.54W	10 48 37					
"	383	5554	085.69W	12 27 57					
"	383	5555	110.84W	14 07 17					
"	383	5556	135.98W	15 46 37					
"	383	5557	161.13W	17 25 57					
"	383	5558	173.71E	19 05 17					
"	383	5559	148.56E	20 44 37					
January 7, 1965	383	5560	123.42E	22 23 57	20.7	27.7	280.9	29.0	51.9
January 8, 1965	384	5561	098.27E	00 03 17	20.8	27.8	281.1	29.0	51.8
"	384	5562	073.13E	01 42 37					
"	384	5563	047.98E	03 21 57					
"	384	5564	022.83E	05 01 17					
"	384	5565	002.31W	06 40 37					
"	384	5566	027.46W	08 19 57					
"	384	5567	052.60W	09 59 17					
"	384	5568	077.75W	11 38 37					
"	384	5569	102.90W	13 17 57					
"	384	5570	128.04W	14 57 17					
"	384	5571	153.19W	16 36 37					
"	384	5572	178.33W	18 15 57					
January 8, 1965	384	5573	156.51E	19 55 17					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
January 8, 1965	384	5574	131.36E	21 34 37					
January 8, 1965	384	5575	106.21E	23 13 57	22.1	28.9	282.6	28.8	51.5
January 9, 1965	385	5576	081.07E	00 53 17	22.2	29.0	282.7	28.8	51.4
"	385	5577	055.92E	02 32 36					
"	385	5578	030.77E	04 11 57					
"	385	5579	005.62E	05 51 16					
"	385	5580	019.51W	07 30 36					
"	385	5581	044.66W	09 09 56					
"	385	5582	069.80W	10 49 16					
"	385	5583	094.96W	12 28 36					
"	385	5584	120.10W	14 07 56					
"	385	5585	145.25W	15 47 16					
"	385	5586	170.40W	17 26 36					
"	385	5587	164.45E	19 05 56					
"	385	5588	139.30E	20 45 16					
January 9, 1965	385	5589	114.16E	22 24 36	23.4	30.0	284.0	28.3	50.8
January 10, 1965	386	5590	089.01E	00 03 56	23.5	30.0	284.1	28.2	50.7
"	386	5591	063.86E	01 43 16					
"	386	5592	038.71E	03 22 36					
"	386	5593	013.56E	05 01 56					
"	386	5594	011.57W	06 41 16					
"	386	5595	036.72W	08 20 36					
"	386	5596	061.87W	09 59 56					
"	386	5597	087.01W	11 39 16					
"	386	5598	112.16W	13 18 36					
January 10, 1965	386	5599	137.30W	14 57 56					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
January 10, 1965	386	5600	162.45W	16 37 16					
"	386	5601	172.39E	18 16 36					
"	386	5602	147.24E	19 55 56					
"	386	5603	122.09E	21 35 16					
January 10, 1965	386	5604	096.95E	23 14 36	24.9	30.6	285.6	27.9	50.2
January 11, 1965	387	5605	071.80E	00 53 56	25.0	30.6	285.7	27.9	50.2
"	387	5606	046.65E	02 33 16					
"	387	5607	021.51E	04 12 36					
"	387	5608	003.63W	05 51 56					
"	387	5609	028.78W	07 31 16					
"	387	5610	053.92W	09 10 36					
"	387	5611	079.07W	10 49 56					
"	387	5612	104.22W	12 29 16					
"	387	5613	129.36W	14 08 36					
"	387	5614	154.51W	15 47 56					
"	387	5615	179.66W	17 27 16					
"	387	5616	155.18E	19 06 36					
"	387	5617	130.04E	20 45 56					
January 11, 1965	387	5618	104.89E	22 25 16	26.2	30.6	286.7	27.8	49.9
January 12, 1965	388	5619	079.73E	00 04 34	26.3	30.5	286.8	27.8	49.9
"	388	5620	054.58E	01 43 54					
"	388	5621	019.44E	03 23 14					
"	388	5622	004.29E	05 02 34					
"	388	5623	020.84W	06 41 54					
"	388	5624	045.99W	08 21 14					
January 12, 1965	388	5625	071.14W	10 00 33					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
January 12, 1965	388	5626	096.29W	11 39 53					
"	388	5627	121.43W	13 19 13					
"	388	5628	146.58W	14 58 33					
"	388	5629	171.73W	16 37 53					
"	388	5630	163.11E	18 17 13					
"	388	5631	137.97E	19 56 33					
"	388	5632	112.82E	21 35 53					
January 12, 1965	388	5633	087.68E	23 15 13	27.6	29.5	288.3	28.3	50.2
January 13, 1965	389	5634	062.53E	00 54 33					
"	389	5635	037.38E	02 33 53	27.8	29.4	288.5	28.3	50.2
"	389	5636	012.23E	04 13 13					
"	389	5637	012.90W	05 52 33					
"	389	5638	038.05W	07 31 53					
"	389	5639	063.20W	09 11 13					
"	389	5640	088.34W	10 50 33					
"	389	5641	113.49W	12 29 53					
"	389	5642	138.64W	14 09 13					
"	389	5643	163.79W	15 48 33					
"	389	5644	171.06E	17 27 53					
"	389	5645	145.91E	19 07 13					
"	389	5646	120.76E	20 46 33					
January 13, 1965	389	5647	095.62E	22 25 53	29.0	28.5	289.6	28.5	50.2
January 14, 1965	390	5648	070.47E	00 05 13					
"	390	5649	045.32E	01 44 33					
"	390	5650	020.17E	03 23 53					
January 14, 1965	390	5651	004.96W	05 03 13					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
January 14, 1965	390	5652	030.11W	06 42 33					
"	390	5653	055.26W	08 21 53					
"	390	5654	080.40W	10 01 13	29.6	28.0	290.4	28.4	50.0
"	390	5655	105.55W	11 40 33	29.7	27.9	290.5	28.3	49.9
"	390	5656	130.69W	13 19 53	29.8	27.8	290.6	28.3	49.9
"	390	5657	155.84W	14 59 13					
"	390	5658	179.00E	16 38 32					
"	390	5659	153.85E	18 17 52					
"	390	5660	128.70E	19 57 12					
"	390	5661	103.56E	21 36 32					
January 14, 1965	390	5662	078.41E	23 15 52					
January 15, 1965	391	5663	053.26E	00 55 12					
"	391	5664	028.12E	02 34 32					
"	391	5665	002.97E	04 13 52					
"	391	5666	022.17W	05 53 12					
"	391	5667	047.31W	07 32 32					
"	391	5668	072.46W	09 11 52					
"	391	5669	097.61W	10 51 12	31.0	26.9	291.9	28.0	49.3
"	391	5670	122.75W	12 30 32	31.1	26.8	291.9	27.9	49.3
"	391	5671	147.90W	14 09 52	31.2	26.8	292.0	27.9	49.2
"	391	5672	173.05W	15 49 12	31.3	26.7	292.1	27.9	49.2
"	391	5673	161.79E	17 28 32					
"	391	5674	136.65E	19 07 52					
"	391	5675	111.50E	20 47 12					
January 15, 1965	391	5676	086.35E	22 26 32					
January 16, 1965	392	5677	061.21E	00 05 52					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
January 16, 1965	392	5678	036.06E	01 45 12				
"	392	5679	010.91E	03 24 32				
"	392	5680	014.23W	05 03 52				
"	392	5681	039.37W	06 43 12	26.0	293.1	27.3	48.5
"	392	5682	064.52W	08 22 32				
"	392	5683	089.67W	10 01 52	25.9	293.3	27.2	48.4
"	392	5684	114.81W	11 41 12	25.8	293.4	27.1	48.3
"	392	5685	139.96W	13 20 32	25.7	293.5	27.1	48.2
"	392	5686	165.11W	14 59 52	25.7	293.6	27.0	48.1
"	392	5687	169.74E	16 39 12				
"	392	5688	144.59E	18 18 32	25.5	293.8	26.9	48.0
"	392	5689	119.44E	19 57 51	25.4	293.8	26.8	47.9
"	392	5690	094.29E	21 37 11				
January 16, 1965	392	5691	069.15E	23 16 31				
January 17, 1965	393	5692	044.00E	00 55 51				
"	393	5693	018.85E	02 35 11				
"	393	5694	006.28W	04 14 31				
"	393	5695	031.43W	05 53 51	25.0	294.4	26.3	47.3
"	393	5696	056.58W	07 33 11				
"	393	5697	081.73W	09 12 31				
"	393	5698	106.87W	10 51 51				
"	393	5699	132.02W	12 31 11				
"	393	5700	157.17W	14 10 31				
"	393	5701	177.68E	15 49 51	24.6	294.9	25.8	46.7
"	393	5702	152.53E	17 29 11	24.5	295.0	25.7	46.6
"	393	5703	127.39E	19 08 31	24.4	295.1	25.6	46.5
January 17, 1965	393	5704	102.24E	20 47 51	24.4	295.2	25.5	46.4

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	LONGITUDE (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
January 17, 1965	393	5705	077.09E	22 27 11					
January 18, 1965	394	5706	051.94E	00 06 31					
"	394	5707	026.80E	01 45 51					
"	394	5708	001.65E	03 25 11					
"	394	5709	023.49W	05 04 31					
"	394	5710	048.63W	06 43 51					
"	394	5711	073.78W	08 23 11	34.9	23.8	295.8	24.8	45.5
"	394	5712	098.93W	10 02 31					
"	394	5713	124.08W	11 41 51					
"	394	5714	149.22W	13 21 11					
"	394	5715	174.37W	15 00 30					
"	394	5716	160.47E	16 39 51	35.4	23.4	296.3	24.2	44.9
"	394	5717	135.33E	18 19 11	35.5	23.3	296.4	24.1	44.8
"	394	5718	110.18E	19 58 30	35.6	23.3	296.5	24.0	44.6
"	394	5719	085.03E	21 37 50					
January 18, 1965	394	5720	059.89E	23 17 10					
January 19, 1965	395	5721	034.72E	00 56 31					
"	395	5722	009.57E	02 35 51					
"	395	5723	015.56W	04 15 11					
"	395	5724	040.71W	05 54 31					
"	395	5725	065.86W	07 33 51	36.2	22.8	297.0	23.1	43.6
"	395	5726	091.00W	09 13 11					
"	395	5727	116.15W	10 52 31					
"	395	5728	141.30W	12 31 51	36.5	22.6	297.2	22.7	43.2
"	395	5729	166.45W	14.11 11	36.6	22.5	297.2	22.5	43.0
January 19, 1965	395	5730	168.39E	15 50 31	36.7	22.5	297.3	22.4	42.9

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
January 19, 1965	395	5731	143.25E	17 29 51	36.8	22.4	297.3	22.3	42.7
"	395	5732	118.10E	19 09 11	36.9	22.3	297.4	22.1	42.6
"	395	5733	092.96E	20 48 31					
January 19, 1965	395	5734	067.81E	22 27 51					
January 20, 1965	396	5735	042.66E	00 07 11					
"	396	5736	017.51E	01 46 30					
"	396	5737	007.62W	03 25 50					
"	396	5738	032.77W	05 05 10					
"	396	5739	057.92W	06 44 30	37.6	21.8	297.8	21.1	41.4
"	396	5740	083.06W	08 23 50					
"	396	5741	108.21W	10 03 10					
"	396	5742	133.36W	11 42 30					
"	396	5743	158.51W	13 21 50	38.0	21.5	298.1	20.4	40.7
"	396	5744	176.34E	15 01 10	38.0	21.5	298.2	20.3	40.6
"	396	5745	151.19E	16 40 30	38.1	21.4	298.2	20.1	40.4
"	396	5746	126.04E	18 19 50	38.2	21.3	298.3	20.0	40.2
"	396	5747	100.90E	19 59 10	38.3	21.2	298.3	19.8	40.1
"	396	5748	075.75E	21 38 30					
January 20, 1965	396	5749	050.60E	23 17 50					
January 21, 1965	397	5750	025.46E	00 57 10					
"	397	5751	000.31E	02 36 30					
"	397	5752	024.83W	04 15 50					
"	397	5753	049.97W	05 55 10	38.9	20.8	302.7	18.8	38.7
"	397	5754	075.12W	07 34 30					
"	397	5755	100.27W	09 13 50	39.1	20.7	302.7	18.4	38.3
January 21, 1965	397	5756	125.42W	10 53 10	39.2	20.7	302.8	18.2	38.1

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
January 21, 1965	397	5757	150.56W	12 32 30					
"	397	5758	175.71W	14 11 50	39.4	20.5	302.8	17.9	37.8
"	397	5759	159.13E	15 51 10	39.5	20.5	302.9	17.7	37.6
"	397	5760	133.99E	17 30 30	39.5	20.4	302.9	17.5	37.4
"	397	5761	108.84E	19 09 50					
"	397	5762	083.69E	20 49 10					
January 21, 1965	397	5763	058.55E	22 28 30					
January 22, 1965	398	5764	033.40E	00 07 50	39.9	19.8	303.3	17.0	36.8
"	398	5765	008.25E	01 47 10					
"	398	5766	016.88W	03 26 30					
"	398	5767	042.03W	05 05 50					
"	398	5768	067.18W	06 45 10					
"	398	5769	092.33W	08 24 30					
"	398	5770	117.47W	10 03 49					
"	398	5771	142.62W	11 43 10					
"	398	5772	167.77W	13 22 30					
"	398	5773	167.08E	15 01 49					
"	398	5774	141.93E	16 41 09					
"	398	5775	116.78E	18 20 29					
"	398	5776	091.64E	19 59 49					
"	398	5777	066.49E	21 39 09					
January 22, 1965	398	5778	041.34E	23 18 29	41.2	18.5	304.0	14.6	34.2
January 23, 1965	399	5779	016.20E	00 57 49					
"	399	5780	008.94W	02 37 09					
"	399	5781	034.09W	04 16 29					
January 23, 1965	399	5782	059.24W	05 55 49					

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TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
January 23, 1965	399	5783	084.38W	07 35 09					
"	399	5784	109.53W	09 14 29					
"	399	5785	134.68W	10 53 49					
"	399	5786	159.83W	12 33 09					
"	399	5787	175.01E	14 12 29					
"	399	5788	149.87E	15 51 49					
"	399	5789	124.72E	17 31 09					
"	399	5790	099.58E	19 10 29					
"	399	5791	074.43E	20 49 49					
January 23, 1965	399	5792	049.28E	22 29 09	42.7	17.4	304.9	11.3	30.7
January 24, 1965	400	5793	024.13E	00 08 29					
"	400	5794	001.00W	01 47 49					
"	400	5795	026.15W	03 27 09					
"	400	5796	051.29W	05 06 29					
"	400	5797	076.44W	06 45 49					
"	400	5798	101.59W	08 25 09					
"	400	5799	126.74W	10 04 29					
"	400	5800	151.89W	11 43 49					
"	400	5801	177.03W	13 23 09					
"	400	5802	157.81E	15 02 29	43.8	16.5	305.4	9.0	28.2
MAC SWITCH CHANGED FROM POSITION 7 TO 0									
"	400	5803	132.66E	16 41 48					
"	400	5804	107.52E	18 21 08	43.9	16.1	305.4	9.0	28.2
"	400	5805	082.37E	20 00 29					
"	400	5806	057.22E	21 39 48					
January 24, 1965	400	5807	032.08E	23 19 08					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
January 25, 1965	401	5808	006.93E	00 58 28					
"	401	5809	018.21W	02 37 48					
"	401	5810	043.35W	04 17 08					
"	401	5811	068.50W	05 56 28					
"	401	5812	093.65W	07 35 48					
"	401	5813	118.79W	09 15 08					
"	401	5814	143.94W	10 54 28	44.2	14.1	305.2	9.3	28.4
"	401	5815	169.09W	12 33 48					
"	401	5816	165.75E	14 13 08					
"	401	5817	140.61E	15 52 28					
"	401	5818	115.46E	17 31 48	44.3	13.3	305.1	9.4	28.5
"	401	5819	090.31E	19 11 08	44.3	13.1	305.1	9.5	28.5
"	401	5820	065.17E	20 50 28					
January 25, 1965	401	5821	040.02E	22 29 48					
January 26, 1965	402	5822	014.85E	00 09 08	44.4	12.5	305.0	9.6	28.6
"	402	5823	010.28W	01 48 28					
"	402	5824	035.43W	03 27 48					
"	402	5825	060.58W	05 07 08					
"	402	5826	085.72W	06 46 28					
"	402	5827	110.87W	08 25 48					
"	402	5828	136.02W	10 05 08					
"	402	5829	161.17W	11 44 28	44.5	10.9	304.8	10.3	29.2
"	402	5830	173.68E	13 23 48					
"	402	5831	148.53E	15 03 08					
"	402	5832	123.38E	16 42 28	44.5	10.2	304.7	10.6	29.5
"	402	5833	098.24E	18 21 48					
January 26, 1965	402	5834	073.09E	20 01 08					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
January 26, 1965	402	5835	047.94E	21 40 28	44.6	9.5	304.6	10.8	29.8
January 26, 1965	402	5836	022.80E	23 19 48					
January 27, 1965	403	5837	002.34W	00 59 08					
"	403	5838	027.49W	02 38 28					
"	403	5839	052.63W	04 17 48					
"	403	5840	077.78W	05 57 08					
"	403	5841	102.93W	07 36 28					
"	403	5842	128.08W	09 15 48					
"	403	5843	153.22W	10 55 08					
"	403	5844	178.37W	12 34 28	44.7	7.4	304.5	11.6	30.5
"	403	5845	156.47E	14 13 48					
"	403	5846	131.32E	15 53 08					
"	403	5847	106.18E	17 32 28	44.8	6.7	304.4	11.9	30.8
"	403	5848	081.03E	19 11 47					
"	403	5849	055.88E	20 51 08					
January 27, 1965	403	5850	030.74E	22 30 28	44.8	6.0	304.4	12.1	31.0
January 28, 1965	404	5851	005.59E	00 09 47					
"	404	5852	019.54W	01 49 08					
"	404	5853	044.70W	03 28 27					
"	404	5854	069.84W	05 07 47					
"	404	5855	094.99W	06 47 07					
"	404	5856	120.14W	08 26 27					
"	404	5857	145.28W	10 05 47					
"	404	5858	170.43W	11 45 07					
"	404	5859	164.42E	13 24 27	44.9	3.9	304.2	13.0	31.8
January 28, 1965	404	5860	139.27E	15 03 47	44.9	3.7	304.2	13.1	31.9

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
January 28, 1965	404	5861	114.12E	16 43 07	45.0	3.4	304.1	13.2	32.0
"	404	5862	088.97E	18 22 27	45.0	3.2	304.1	13.3	32.1
"	404	5863	063.82E	20 01 47					
"	404	5864	038.68E	21 41 07	45.0	2.7	304.1	13.4	32.3
January 28, 1965	404	5865	013.53E	23 20 27					
January 29, 1965	405	5866	011.61W	00 59 47					
"	405	5867	036.75W	02 39 07					
"	405	5868	061.90W	04 18 27					
"	405	5869	087.05W	05 57 47					
"	405	5870	112.19W	07 37 07					
"	405	5871	137.34W	09 16 27					
"	405	5872	162.49W	10 55 47					
"	405	5873	172.35E	12 35 07	45.1	0.7	304.0	14.1	33.0
"	405	5874	147.21E	14 14 27					
"	405	5875	122.06E	15 53 47					
"	405	5876	096.92E	17 33 07	45.2	-0.0	303.9	14.3	33.2
"	405	5877	071.77E	19 12 27					
"	405	5878	046.62E	20 51 47					
January 29, 1965	405	5879	021.47E	22 31 07	45.2	-0.7	303.9	14.5	33.4
January 30, 1965	406	5880	003.67W	00 10 27					
"	406	5881	028.81W	01 49 47					
"	406	5882	053.96W	03 29 07					
"	406	5883	079.10W	05 08 27					
"	406	5884	104.25W	06 47 47					
"	406	5885	129.40W	08 27 07	45.3	-2.2	303.9	15.0	33.8
January 30, 1965	406	5886	154.55W	10 06 27					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
January 30, 1965	406	5887	179.69W	11 45 47					
"	406	5888	155.15E	13 25 06	45.4	-3.0	304.0	15.3	34.1
"	406	5889	130.00E	15 04 26					
"	406	5890	104.86E	16 43 46	45.4	-3.5	304.0	15.5	34.2
"	406	5891	079.71E	18 23 06					
"	406	5892	054.56E	20 02 26					
"	406	5893	029.42E	21 41 46	45.5	-4.2	304.0	15.7	34.5
January 30, 1965	406	5894	004.27E	23 21 06					
January 31, 1965	407	5895	020.87W	01 00 26					
"	407	5896	046.02W	02 39 46					
"	407	5897	071.17W	04 19 06					
"	407	5898	096.31W	05 58 26					
"	407	5899	121.46W	07 37 46					
"	407	5900	146.60W	09 17 06					
"	407	5901	171.75W	10 56 26	45.6	-6.4	304.2	16.4	35.1
"	407	5902	163.09E	12 35 46					
"	407	5903	137.94E	14 15 06					
"	407	5904	112.80E	15 54 26	45.6	-7.2	304.3	16.7	35.3
"	407	5905	087.65E	17 33 46					
"	407	5906	062.50E	19 13 06					
"	407	5907	037.36E	20 52 26	45.7	-8.0	304.4	16.9	35.5
January 31, 1965	407	5908	012.21E	22 31 46					
February 1, 1965	408	5909	012.93W	00 11 06					
"	408	5910	038.07W	01 50 26					
"	408	5911	063.22W	03 29 46					
February 1, 1965	408	5912	088.37W	05 09 06					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
February 1, 1965	408	5913	113.52W	06 48 26	45.8	-9.6	304.6	17.4	36.0
"	408	5914	138.66W	08 27 46					
"	408	5915	163.81W	10 07 06					
"	408	5916	171.03E	11 46 26	45.8	-10.4	304.7	17.7	36.2
"	408	5917	145.89E	13 25 46	45.9	-10.7	304.7	17.8	36.3
"	408	5918	120.74E	15 05 06					
"	408	5919	095.59E	16 44 26					
"	408	5920	070.45E	18 23 46					
"	408	5921	045.30E	20 03 06	45.9	-11.8	304.8	18.1	36.6
"	408	5922	020.15E	21 42 26					
February 1, 1965	408	5923	004.98W	23 21 46					
February 2, 1965	409	5924	030.15W	01 01 05					
"	409	5925	055.29W	02 40 25					
"	409	5926	080.44W	04 19 45					
"	409	5927	105.59W	05 59 05					
"	409	5928	130.73W	07 38 25					
"	409	5929	155.88W	09 17 45					
"	409	5930	178.96E	10 57 05	46.1	-14.1	305.0	18.8	37.1
"	409	5931	153.81E	12 36 25	46.1	-14.4	305.1	18.8	37.2
"	409	5932	128.66E	14 15 45	46.1	-14.7	305.1	18.9	37.3
"	409	5933	103.52E	15 55 05	46.1	-14.9	305.1	19.0	37.3
"	409	5934	078.37E	17 34 25					
"	409	5935	053.23E	19 13 45					
"	409	5936	028.08E	20 53 05					
February 2, 1965	409	5937	002.93E	22 32 25	46.2	-16.0	305.3	19.3	37.6
February 3, 1965	410	5938	022.21W	00 11 45					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)	
February 3, 1965	410	5939	047.35W	01 51 05						
"	410	5940	072.50W	03 30 25						
"	410	5941	097.65W	05 09 45	46.3	-17.1	305.4	19.6	37.8	
"	410	5942	122.79W	06 49 05	46.3	-17.3	305.4	19.7	37.9	
"	410	5943	147.94W	08 28 25						
"	410	5944	173.09W	10 07 45						
"	410	5945	161.76E	11 47 04	46.3	-18.1	305.5	19.9	38.1	
"	410	5946	136.61E	13 26 25	46.4	-18.4	305.6	20.0	38.1	
			MAC SWITCH CHANGED FROM POSITION 0 TO 8							
"	410	5947	111.46E	15 05 44						
"	410	5948	086.32E	16 45 04						
"	410	5949	061.17E	18 24 24						
"	410	5950	036.02E	20 03 44	46.6	-18.7	305.3	19.3	37.6	
"	410	5951	010.87E	21 43 04						
February 3, 1965	410	5952	014.27W	23 22 24						
February 4, 1965	411	5953	039.41W	01 01 44						
"	411	5954	064.56W	02 41 04						
"	411	5955	089.71W	04 20 24						
"	411	5956	114.86W	05 59 44	47.0	-19.2	305.0	18.2	36.7	
"	411	5957	140.00W	07 39 04						
"	411	5958	165.15W	09 18 24						
"	411	5959	169.70E	10 57 44						
"	411	5960	144.55E	12 37 04						
"	411	5961	119.40E	14 16 24						
"	411	5962	094.26E	15 55 44	47.4	-19.5	304.5	17.2	36.0	
"	411	5963	069.11E	17 35 04						
February 4, 1965	411	5964	043.96E	19 14 24						

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
February 4, 1965	411	5965	018.82E	20 53 44					
February 4, 1965	411	5966	006.33W	22 33 04					
February 5, 1965	412	5967	031.47W	00 12 24					
"	412	5968	056.62W	01 51 44					
"	412	5969	081.76W	03 31 04					
"	412	5970	106.91W	05 10 24	48.0	-20.1	299.9	15.9	36.9
"	412	5971	132.06W	06 49 44					
"	412	5972	157.20W	08 29 04					
"	412	5973	177.64E	10 08 24					
"	412	5974	152.49E	11 47 44					
"	412	5975	127.34E	13 27 04					
"	412	5976	102.19E	15 06 24	48.3	-20.5	299.4	15.0	36.4
"	412	5977	077.05E	16 45 44					
"	412	5978	051.90E	18 25 04					
"	412	5979	026.76E	20 04 24					
"	412	5980	001.61E	21 43 44					
February 5, 1965	412	5981	023.53W	23 23 04					
February 6, 1965	413	5982	048.68W	01 02 24					
"	413	5983	073.82W	02 41 44					
"	413	5984	098.97W	04 21 04					
"	413	5985	124.12W	06 00 24					
"	413	5986	149.27W	07 39 44	49.0	-21.1	298.7	13.3	35.7
"	413	5987	174.41W	09 19 04					
"	413	5988	160.43E	10 58 24					
"	413	5989	135.29E	12 37 44					
February 6, 1965	413	5990	110.14E	14 17 04					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
February 6, 1965	413	5991	084.99E	15 56 23					
"	413	5992	059.85E	17 35 44	49.4	-21.5	298.2	12.3	35.4
"	413	5993	034.70E	19 15 03					
"	413	5994	009.55E	20 54 23					
February 6, 1965	413	5995	015.59W	22 33 43					
February 7, 1965	414	5996	040.73W	00 13 03					
"	414	5997	065.88W	01 52 23					
"	414	5998	091.03W	03 31 43					
"	414	5999	116.17W	05 11 03	49.9	-22.0	297.7	11.2	35.0
"	414	6000	141.32W	06 50 23					
"	414	6001	166.47W	08 29 43					
"	414	6002	168.37E	10 09 03	50.0	-22.2	297.4	10.7	34.9
"	414	6003	143.23E	11 48 23					
"	414	6004	118.08E	13 27 43					
"	414	6005	092.93E	15 07 03					
"	414	6006	067.79E	16 46 23	50.3	-22.4	297.1	10.1	34.8
"	414	6007	042.64E	18 25 43					
"	414	6008	017.49E	20 05 03					
"	414	6009	007.65W	21 44 23					
February 7, 1965	414	6010	032.79W	23 23 43					
February 8, 1965	415	6011	057.94W	01 03 03					
"	415	6012	083.09W	02 42 23					
"	415	6013	108.23W	04 21 43	50.8	-22.9	296.6	9.0	34.6
"	415	6014	133.38W	06 01 03					
"	415	6015	158.53W	07 40 23					
February 8, 1965	415	6016	176.32E	09 19 43	51.0	-23.1	296.4	8.5	34.5

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg) Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)	
February 8, 1965	415	6017	151.17E 10 59 03						
"	415	6018	126.02E 12 38 23	51.2	-23.3	296.2	8.1	34.5	
"	415	6019	100.87E 14 17 43						
"	415	6020	075.73E 15 57 03						
"	415	6021	050.58E 17 36 23						
"	415	6022	025.43E 19 15 43	51.4	-23.5	295.9	7.6	34.5	
"	415	6023	000.28E 20 55 03						
February 8, 1965	415	6024	024.85W 22 34 23						
February 9, 1965	416	6025	050.00W 00 13 43						
"	416	6026	075.15W 01 53 03						
"	416	6027	100.29W 03 32 23						
"	416	6028	125.44W 05 11 43						
"	416	6029	150.59W 06 51 03						
"	416	6030	175.74W 08 30 23						
"	416	6031	159.11E 10 09 43	52.0	-24.0	295.2	6.2	34.5	
"	416	6032	133.96E 11 49 03	52.0	-24.1	295.1	6.1	34.5	
			MAC SWITCH CHANGED FROM POSITION 8 TO 11						
"	416	6033	108.82E 13 28 23	52.2	-23.8	295.0	5.5	34.3	
"	416	6034	083.67E 15 07 43						
"	416	6035	058.52E 16 47 03						
"	416	6036	033.38E 18 26 23	52.7	-23.1	294.5	3.6	33.8	
"	416	6037	008.23E 20 05 43						
"	416	6038	016.91W 21 45 02						
February 9, 1965	416	6039	042.06W 23 24 23						
February 10, 1965	417	6040	067.21W 01 03 42						
February 10, 1965	417	6041	092.35W 02 43 02						

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	LONGITUDE (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
February 10, 1965	417	6042	117.50W	04 22 23					
"	417	6043	142.65W	06 01 42					
"	417	6044	167.79W	07 41 02					
"	417	6045	167.05E	09 20 22	54.2	-20.6	293.1	-1.9	33.1
"	417	6046	141.91E	10 59 42					
"	417	6047	116.76E	12 39 02					
"	417	6048	091.61E	14 18 22	54.7	-19.8	292.6	-3.7	33.0
"	417	6049	066.46E	15 57 42					
"	417	6050	041.32E	17 37 02					
"	417	6051	016.17E	19 16 22					
"	417	6052	008.97W	20 55 42					
February 10, 1965	417	6053	034.12W	22 35 02					
February 11, 1965	418	6054	059.26W	00 14 22					
"	418	6055	084.41W	01 53 42					
"	418	6056	109.56W	03 33 02					
"	418	6057	134.71W	05 12 22	56.2	-17.3	291.4	-9.3	33.1
"	418	6058	159.85W	06 51 42					
"	418	6059	174.99E	08 31 02	56.5	-16.7	291.2	-10.6	33.3
"	418	6060	149.84E	10 10 22					
"	418	6061	124.70E	11 49 42	56.8	-16.2	291.0	-11.8	33.4
"	418	6062	099.55E	13 29 02					
"	418	6063	074.41E	15 08 22					
"	418	6064	049.26E	16 47 42	57.3	-15.3	290.7	-13.7	33.7
"	418	6065	024.11E	18 27 02					
"	418	6066	001.03W	20 06 22					
"	418	6067	026.18W	21 45 42					
February 11, 1965	418	6068	051.32W	23 25 02					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg) Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
February 12, 1965	419	6069	076.47W 01 04 22					
"	419	6070	101.61W 02 43 42	58.5	-13.6	290.2	-18.0	34.3
"	419	6071	126.76W 04 23 02					
"	419	6072	151.91W 06 02 22					
"	419	6073	177.06W 07 41 42	58.8	-13.2	290.2	-19.1	34.5
"	419	6074	157.78E 09 21 02	59.0	-13.0	290.2	-19.7	34.5
MAC SWITCH CHANGED FROM POSITION 11 TO 8								
"	419	6075	132.64E 11 00 22					
"	419	6076	107.49E 12 39 42	59.1	-13.2	290.2	-19.9	34.7
"	419	6077	082.34E 14 19 02	59.2	-13.3	290.2	-20.0	34.8
"	419	6078	057.20E 15 58 22					
"	419	6079	032.05E 17 37 42					
"	419	6080	006.90E 19 17 02					
"	419	6081	018.23W 20 56 22					
February 12, 1965	419	6082	043.38W 22 35 42					
February 13, 1965								
February 13, 1965	420	6083	068.53W 00 15 02					
"	420	6084	093.68W 01 54 22					
"	420	6085	118.82W 03 33 42					
"	420	6086	143.97W 05 13 02	59.8	-14.3	290.4	-21.0	35.4
"	420	6087	169.12W 06 52 22					
"	420	6088	165.73E 08 31 42	60.0	-14.5	290.5	-21.2	35.4
"	420	6089	140.58E 10 11 02					
"	420	6090	115.43E 11 50 22	60.1	-14.8	290.5	-21.5	35.5
"	420	6091	090.29E 13 29 42					
"	420	6092	065.14E 15 09 02					
"	420	6093	039.99E 16 48 22					
February 13, 1965	420	6094	014.85E 18 27 42					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg) Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
February 13, 1965	420	6095	010.29W 20 07 02					
"	420	6096	035.44W 21 46 21					
February 13, 1965	420	6097	060.59W 23 25 42					
February 14, 1965	421	6098	085.73W 01 05 01					
"	421	6099	110.88W 02 44 21					
"	421	6100	136.03W 04 23 41	60.9	-15.8	290.9	-22.7	36.0
"	421	6101	161.17W 06 03 01					
"	421	6102	173.67E 07 42 21	61.0	-16.0	291.0	-22.9	36.2
"	421	6103	148.52E 09 21 41					
"	421	6104	123.37E 11 01 01	61.2	-16.2	291.0	-23.1	36.3
"	421	6105	098.23E 12 40 21					
"	421	6106	073.08E 14 19 41					
"	421	6107	047.93E 15 59 01					
"	421	6108	022.79E 17 38 21	61.4	-16.7	291.1	-23.4	36.6
"	421	6109	002.35W 19 17 41					
"	421	6110	027.50W 20 57 01					
February 14, 1965	421	6111	052.64W 22 36 21					
February 15, 1965	422	6112	077.79W 00 15 41	61.7	-17.1	291.2	-23.8	36.8
"	422	6113	102.94W 01 55 01	61.8	-17.2	291.2	-23.9	36.9
"	422	6114	128.09W 03 34 21	61.9	-17.3	291.2	-24.0	37.0
"	422	6115	153.23W 05 13 41	61.9	-17.4	291.3	-24.0	37.0
"	422	6116	178.38W 06 53 01					
"	422	6117	156.46E 08 32 21	62.1	-17.6	291.3	-24.2	37.1
"	422	6118	131.31E 10 11 41					
"	422	6119	106.17E 11 51 01					
February 15, 1965	422	6120	081.02E 13 30 21	62.3	-17.9	291.4	-24.5	37.3

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
February 15, 1965	422	6121	055.87E	15 09 41					
"	422	6122	030.73E	16 49 01					
"	422	6123	005.58E	18 28 21					
"	422	6124	019.56W	20 07 41					
"	422	6125	044.71W	21 47 01					
February 15, 1965	422	6126	069.85W	23 26 21					
February 16, 1965	423	6127	094.98W	01 05 37					
"	423	6128	120.13W	02 44 57	62.9	-18.7	291.7	-25.2	37.7
"	423	6129	145.28W	04 24 17					
"	423	6130	170.43W	06 03 37	63.0	-18.9	291.8	-25.3	37.8
"	423	6131	164.42E	07 42 57					
"	423	6132	139.27E	09 22 17	63.2	-19.1	291.9	-25.5	37.9
"	423	6133	114.12E	11 01 37					
"	423	6134	088.97E	12 40 57					
"	423	6135	063.83E	14 20 17	63.4	-19.5	292.0	-25.7	38.1
"	423	6136	038.68E	15 59 37					
"	423	6137	013.53E	17 38 57					
"	423	6138	011.60W	19 18 17					
"	423	6139	036.75W	20 57 37					
February 16, 1965	423	6140	061.90W	22 36 57					
February 17, 1965	424	6141	087.04W	00 16 17					
"	424	6142	112.19W	01 55 37	63.9	-20.1	292.3	-26.2	38.5
"	424	6143	137.34W	03 34 57					
"	424	6144	162.48W	05 14 17					
"	424	6145	172.36E	06 53 37					
February 17, 1965	424	6146	147.21E	08 32 57	64.2	-20.4	292.4	-26.6	38.8

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
February 17, 1965	424	6147	122.06E	10 12 17					
"	424	6148	096.92E	11 51 37					
"	424	6149	071.77E	13 30 57	64.4	-20.6	292.4	-26.8	39.0
"	424	6150	046.62E	15 10 16					
"	424	6151	021.47E	16 49 36					
"	424	6152	003.66W	18 28 56					
"	424	6153	028.81W	20 08 16					
"	424	6154	053.95W	21 47 36					
February 17, 1965	424	6155	079.10W	23 26 56					
February 18, 1965	425	6156	104.25W	01 06 16					
"	425	6157	129.40W	02 45 36	65.0	-21.1	292.5	-27.6	39.6
"	425	6158	154.54W	04 24 56					
"	425	6159	179.69W	06 04 16					
"	425	6160	155.15E	07 43 36					
"	425	6161	130.01E	09 22 56	65.2	-21.0	292.4	-27.9	40.1
"	425	6162	104.86E	11 02 16					
"	425	6163	079.71E	12 41 36					
"	425	6164	054.57E	14 20 56	65.4	-21.0	292.4	-28.2	40.4
"	425	6165	029.42E	16 00 16					
"	425	6166	004.27E	17 39 36					
"	425	6167	020.86W	19 18 56					
"	425	6168	046.01W	20 58 16					
February 18, 1965	425	6169	071.16W	22 37 36					
February 19, 1965	426	6170	096.31W	00 16 56					
"	426	6171	121.45W	01 56 16	65.8	-21.1	292.0	-29.1	41.5
February 19, 1965	426	6172	146.60W	03 35 36					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg) Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
February 19, 1965	426	6173	171.75W 05 14 56					
"	426	6174	163.10E 06 54 16					
"	426	6175	137.95E 08 33 36	66.1	-21.1	291.8	-29.5	42.1
"	426	6176	112.80E 10 12 56					
"	426	6177	087.65E 11 52 15					
"	426	6178	062.51E 13 31 36	66.2	-21.1	291.6	-29.8	42.5
"	426	6179	037.36E 15 10 55					
"	426	6180	012.21E 16 50 15					
"	426	6181	012.92W 18 29 35					
"	426	6182	038.07W 20 08 55					
"	426	6183	063.22W 21 48 15					
February 19, 1965	426	6184	088.36W 23 27 35					
February 20, 1965	427	6185	113.51W 01 06 55	66.6	-21.1	291.2	-30.5	43.5
"	427	6186	138.66W 02 46 15					
"	427	6187	163.80W 04 25 35					
"	427	6188	171.04E 06 04 55	66.8	-21.1	291.1	-30.8	43.9
"	427	6189	145.89E 07 44 15					
"	427	6190	120.74E 09 23 35					
"	427	6191	095.60E 11 02 55	67.0	-21.1	290.9	-31.1	44.3
"	427	6192	070.45E 12 42 15					
"	427	6193	045.30E 14 21 35					
"	427	6194	020.16E 16 00 55					
"	427	6195	004.98W 17 40 15					
"	427	6196	030.13W 19 19 35					
"	427	6197	055.27W 20 58 55					
February 20, 1965	427	6198	080.42W 22 38 15					
February 21, 1965	428	6199	105.57W 00 17 35	67.4	-21.0	290.4	-31.8	45.5

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
			Time (UT) (Hr Min Sec)					
February 21, 1965	428	6200	130.72W	01 56 55				
"	428	6201	155.86W	03 36 15				
"	428	6202	178.98E	05 15 35	-21.0	290.3	-32.0	45.8
"	428	6203	153.83E	06 54 55				
"	428	6204	128.69E	08 34 15				
"	428	6205	103.54E	10 13 35	-21.0	290.2	-32.3	46.2
"	428	6206	078.39E	11 52 55				
"	428	6207	053.25E	13 32 15				
"	428	6208	028.10E	15 11 34				
"	428	6209	002.95E	16 50 55				
"	428	6210	022.18W	18 30 14				
"	428	6211	047.33W	20 09 34				
"	428	6212	072.48W	21 48 54				
February 21, 1965	428	6213	097.63W	23 28 14				
February 22, 1965	429	6214	122.77W	01 07 34	-21.0	289.9	-32.0	47.3
"	429	6215	147.92W	02 46 54				
"	429	6216	173.07W	04 26 14				
"	429	6217	161.78E	06 05 34				
"	429	6218	136.63E	07 44 54	-21.0	289.8	-33.3	47.7
"	429	6219	111.48E	09 24 14				
"	429	6220	086.34E	11 03 34				
"	429	6221	061.19E	12 42 54	-21.0	289.7	-33.6	48.0
"	429	6222	036.04E	14 22 14				
"	429	6223	010.89E	16 01 34				
"	429	6224	014.24W	17 40 54				
"	429	6225	039.39W	19 20 14				
February 22, 1965	429	6226	064.54W	20 59 34				

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
February 22, 1965	429	6227	089.68W	22 38 54					
February 23, 1965	430	6228	114.90W	00 18 23	69.0	-21.0	289.4	-34.0	48.9
"	430	6229	140.05W	01 57 43					
"	430	6230	165.19W	03 37 03					
"	430	6231	169.65E	05 16 23	69.2	-21.0	289.4	-34.2	49.2
"	430	6232	144.50E	06 55 43					
"	430	6233	119.35E	08 35 03					
"	430	6234	094.20E	10 14 23	69.4	-21.0	289.3	-34.4	49.5
"	430	6235	069.06E	11 53 43					
"	430	6236	043.91E	13 33 03					
"	430	6237	018.76E	15 12 23					
"	430	6238	006.37W	16 51 43					
"	430	6239	031.52W	18 31 03					
"	430	6240	056.67W	20 10 23					
"	430	6241	081.82W	21 49 43					
February 23, 1965	430	6242	106.96W	23 29 03					
February 24, 1965	431	6243	132.11W	01 08 23					
"	431	6244	157.26W	02 47 43					
"	431	6245	177.59E	04 27 03	70.0	-21.0	289.1	-35.1	50.6
"	431	6246	152.44E	06 06 23					
"	431	6247	127.29E	07 45 43					
"	431	6248	102.15E	09 25 03	70.2	-21.0	288.9	-35.3	51.0
"	431	6249	077.00E	11 04 23					
"	431	6250	051.85E	12 43 43	70.3	-21.0	288.8	-35.4	51.2
"	431	6251	026.70E	14 23 03					
February 24, 1965	431	6252	001.55E	16 02 23					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i		
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)	
February 24, 1965	431	6253	023.58W	17 41 44						
"	431	6254	048.73W	19 21 04						
"	431	6255	073.88W	21 00 24						
February 24, 1965	431	6256	099.02W	22 39 44						
February 25, 1965	432	6257	124.17W	00 19 04						
"	432	6258	149.32W	01 58 24						
"	432	6259	174.46W	03 37 44	70.8	-21.0	288.6	-35.8	52.1	
"	432	6260	160.38E	05 17 04						
"	432	6261	135.23E	06 56 24	70.9	-21.0	288.7	-35.9	52.3	
"	432	6262	110.08E	08 35 44						
"	432	6263	084.93E	10 15 04						
"	432	6264	059.79E	11 54 24	71.1	-21.0	288.8	-36.1	52.4	
"	432	6265	034.64E	13 33 44						
"	432	6266	009.50E	15 13 04						
"	432	6267	015.64W	16 52 24						
"	432	6268	040.79W	18 31 44						
"	432	6269	065.94W	20 11 04						
"	432	6270	091.09W	21 50 24						
February 25, 1965	432	6271	116.23W	23 29 44						
February 26, 1965	433	6272	141.38W	01 09 04	71.7	-21.0	289.0	-36.5	52.9	
"	433	6273	166.53W	02 48 24						
"	433	6274	168.32E	04 27 44						
"	433	6275	143.17E	06 07 04	71.8	-21.0	289.0	-36.6	53.2	
"	433	6276	118.02E	07 46 25	71.9	-21.0	289.0	-36.6	53.3	
			MAC SWITCH CHANGED FROM POSITION 8 TO 11							
"	433	6277	092.87E	09 25 45						
February 26, 1965	433	6278	067.73E	11 05 05	72.2	-21.0	289.8	-36.8	52.9	

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
February 26, 1965	433	6279	042.58E	12 44 25					
"	433	6280	017.43E	14 23 45					
"	433	6281	007.70W	16 03 05					
"	433	6282	032.85W	17 42 25					
"	433	6283	058.00W	19 21 45					
"	433	6284	083.15W	21 01 05					
February 26, 1965	433	6285	108.29W	22 40 25					
February 27, 1965	434	6286	133.44W	00 19 45					
"	434	6287	158.59W	01 59 05	73.6	-21.0	293.4	-37.3	50.9
"	434	6288	176.25E	03 38 25					
"	434	6289	151.11E	05 17 45					
"	434	6290	125.96E	06 57 05					
"	434	6291	100.81E	08 36 25	74.2	-21.0	295.3	-37.3	49.8
"	434	6292	075.66E	10 15 45					
"	434	6293	050.52E	11 55 05					
"	434	6294	025.37E	13 34 25	74.7	-21.0	296.7	-37.3	49.0
"	434	6295	000.22E	15 13 45					
"	434	6296	024.92W	16 53 05					
"	434	6297	050.06W	18 32 25					
"	434	6298	075.21W	20 11 45					
"	434	6299	100.36W	21 51 05					
February 27, 1965	434	6300	125.51W	23 30 25					
February 28, 1965	435	6301	150.65W	01 09 46	75.9	-21.0	299.8	-37.3	47.2
"	435	6302	175.80W	02 49 06					
"	435	6303	159.05E	04 28 26					
February 28, 1965	435	6304	133.90E	06 07 46					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
February 28, 1965	435	6305	108.75E	07 47 06	76.5	-21.1	301.3	-36.8	46.2
"	435	6306	083.60E	09 26 26					
"	435	6307	058.45E	11 05 46					
"	435	6308	033.31E	12 45 06	76.9	-21.2	302.4	-36.5	45.4
"	435	6309	008.16E	14 24 26					
"	435	6310	016.98W	16 03 46					
"	435	6311	042.13W	17 43 06					
"	435	6312	067.27W	19 22 26					
"	435	6313	092.42W	21 01 46					
February 28, 1965	435	6314	117.57W	22 41 06					
March 1, 1965	436	6315	142.71W	00 20 26					
"	436	6316	167.86W	01 59 46	78.1	-21.5	305.3	-35.5	43.4
"	436	6317	166.98E	03 39 06					
"	436	6318	141.83E	05 18 26					
"	436	6319	116.69E	06 57 46	78.6	-21.8	306.2	-34.9	42.6
"	436	6320	091.54E	08 37 07					
"	436	6321	066.39E	10 16 27					
"	436	6322	041.25E	11 55 47	79.0	-22.0	307.2	-34.2	41.7
"	436	6323	016.10E	13 35 07					
"	436	6324	009.04W	15 14 27					
"	436	6325	034.19W	16 53 47					
"	436	6326	059.34W	18 33 07					
"	436	6327	084.48W	20 12 27					
"	436	6328	109.63W	21 51 47					
March 1, 1965	436	6329	134.77W	23 31 07					
March 2, 1965	437	6330	159.92W	01 10 19	80.3	-22.6	309.8	-32.4	39.5

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
March 2, 1965	437	6331	174.93E	02 49 39					
"	437	6332	149.78E	04 28 59					
"	437	6333	124.63E	06 08 19					
"	437	6334	099.48E	07 47 39	80.9	-23.2	310.8	-31.0	38.3
"	437	6335	074.34E	09 26 59					
"	437	6336	049.19E	11 06 19	81.2	-23.4	311.2	-30.4	37.8
"	437	6337	024.04E	12 45 39					
"	437	6338	001.09W	14 24 59					
"	437	6339	026.24W	16 04 19					
"	437	6340	051.39W	17 43 39					
"	437	6341	076.54W	19 22 59					
"	437	6342	101.68W	21 02 19					
March 2, 1965	437	6343	126.83W	22 41 39					
March 3, 1965	438	6344	151.98W	00 20 59	82.5	-24.6	313.1	-27.6	35.6
"	438	6345	177.12W	02 00 19					
"	438	6346	157.72E	03 39 39					
"	438	6347	132.57E	05 18 59	82.9	-25.1	313.5	-26.4	34.9
"	438	6348	107.43E	06 58 19					
"	438	6349	082.28E	08 37 39					
"	438	6350	057.13E	10 16 59	83.4	-25.7	313.9	-25.2	34.2
"	438	6351	031.98E	11 56 19					
"	438	6352	006.84E	13 35 39					
"	438	6353	018.30W	15 14 59					
"	438	6354	043.45W	16 54 19					
"	438	6355	068.59W	18 33 39					
"	438	6356	093.74W	20 12 59					
"	438	6357	118.89W	21 52 19					
March 3, 1965	438	6358	144.03W	23 31 39					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
March 4, 1965	439	6359	169.18W	01 10 59	84.7	-27.4	315.0	-21.4	32.3
"	439	6360	165.66E	02 50 19					
"	439	6361	140.52E	04 29 39					
"	439	6362	115.37E	06 08 59	85.2	-28.0	315.1	-20.1	31.9
"	439	6363	090.22E	07 48 19					
"	439	6364	065.07E	09 27 38					
"	439	6365	039.93E	11 06 59					
"	439	6366	014.78E	12 46 18	85.6	-28.6	315.2	-18.7	31.6
"	439	6367	010.36W	14 25 38					
"	439	6368	035.51W	16 04 59					
"	439	6369	060.65W	17 44 18					
"	439	6370	085.80W	19 23 38					
"	439	6371	110.95W	21 02 58					
March 4, 1965	439	6372	136.09W	22 42 18					
March 5, 1965	440	6373	161.24W	00 21 38	86.8	-30.3	315.5	-15.1	30.8
"	440	6374	173.60E	02 00 58					
"	440	6375	148.46E	03 40 18					
"	440	6376	123.31E	05 19 38	87.3	-31.0	315.4	-13.7	30.9
"	440	6377	098.16E	06 58 58					
"	440	6378	073.02E	08 38 18					
"	440	6379	047.87E	10 17 38	87.8	-31.7	315.3	-12.2	31.0
"	440	6380	022.72E	11 56 58					
"	440	6381	002.42W	13 36 18					
"	440	6382	027.56W	15 15 38					
"	440	6383	052.71W	16 54 58					
"	440	6384	077.86W	18 34 18					
March 5, 1965	440	6385	103.01W	20 13 38					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
March 5, 1965	440	6386	128.15W	21 52 58					
March 5, 1965	440	6387	153.30W	23 32 18					
March 6, 1965	441	6388	178.45W	01 11 38	89.1	-33.8	314.9	-7.8	31.4
"	441	6389	156.40E	02 50 58					
"	441	6390	131.25E	04 30 18					
"	441	6391	106.10E	06 09 38	89.6	-34.5	314.7	-6.3	31.9
"	441	6392	080.96E	07 48 58					
"	441	6393	055.81E	09 28 18					
"	441	6394	030.66E	11 07 38	90.1	-35.2	314.4	-4.8	32.4
"	441	6395	005.52E	12 46 58					
"	441	6396	019.62W	14 26 18					
"	441	6397	044.77W	16 05 38					
"	441	6398	069.92W	17 44 58					
"	441	6399	095.07W	19 24 18					
"	441	6400	120.21W	21 03 38					
March 6, 1965	441	6401	145.36W	22 42 58					
March 7, 1965	442	6402	170.51W	00 22 18	91.3	-37.1	313.7	-0.9	33.9
"	442	6403	164.33E	02 01 38					
"	442	6404	139.19E	03 40 58	91.6	-37.6	313.4	0.0	34.5
"	442	6405	114.04E	05 20 18					
"	442	6406	088.89E	06 59 38					
"	442	6407	063.75E	08 38 58	92.1	-38.3	312.9	1.4	35.4
"	442	6408	038.60E	10 18 18					
"	442	6409	013.45E	11 57 38					
"	442	6410	011.68W	13 36 58					
March 7, 1965	442	6411	036.83W	15 16 18					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
March 7, 1965	442	6412	061.98W	16 55 38				
"	442	6413	087.13W	18 34 58				
"	442	6414	112.27W	20 14 18				
"	442	6415	137.42W	21 53 38				
March 7, 1965	442	6416	162.56W	23 32 58	93.4	311.5	5.6	38.2
March 8, 1965	443	6417	172.28E	01 12 18	93.5	311.2	6.0	38.6
"	443	6418	147.13E	02 51 38	93.6	311.0	6.4	39.0
MAC SWITCH CHANGED FROM POSITION 11 TO 0								
"	443	6419	121.98E	04 30 58	93.6	310.9	6.3	39.1
"	443	6420	096.83E	06 10 18				
"	443	6421	071.69E	07 49 38				
"	443	6422	046.54E	09 28 58	93.7	310.9	6.2	39.3
"	443	6423	021.40E	11 08 18				
"	443	6424	003.74W	12 47 38				
"	443	6425	028.89W	14 26 58				
"	443	6426	054.04W	16 06 18				
"	443	6427	079.18W	17 45 38				
"	443	6428	104.33W	19 24 58				
"	443	6429	129.48W	21 04 18				
March 8, 1965	443	6430	154.63W	22 43 38	94.0	310.7	5.8	39.8
March 9, 1965	444	6431	179.79W	00 22 58				
"	444	6432	155.05E	02 02 18				
"	444	6433	129.90E	03 41 38				
"	444	6434	104.76E	05 20 58	94.1	310.5	5.6	40.1
"	444	6435	079.61E	07 00 18				
"	444	6436	054.46E	08 39 38				
March 9, 1965	444	6437	029.32E	10 18 58	94.2	310.4	5.4	40.3

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
March 9, 1965	444	6438	004.17E	11 58 18					
"	444	6439	020.97W	13 37 38					
"	444	6440	046.12W	15 16 58					
"	444	6441	071.26W	16 56 18					
"	444	6442	096.41W	18 35 38					
"	444	6443	121.55W	20 14 58					
"	444	6444	146.70W	21 54 17					
March 9, 1965	444	6445	171.85W	23 33 38	94.4	-35.3	310.1	5.0	40.9
March 10, 1965	445	6446	162.99E	01 12 58					
"	445	6447	137.85E	02 52 17					
"	445	6448	112.70E	04 31 38	94.5	-34.7	310.2	4.8	41.0
"	445	6449	087.55E	06 10 57					
"	445	6450	062.40E	07 50 17					
"	445	6451	037.26E	09 29 38	94.5	-34.0	310.0	4.6	41.3
"	445	6452	012.11E	11 08 57					
"	445	6453	013.02W	12 48 17					
"	445	6454	038.17W	14 27 37					
"	445	6455	063.32W	16 06 57					
"	445	6456	088.47W	17 46 17					
"	445	6457	113.61W	19 25 37					
"	445	6458	138.76W	21 04 57					
March 10, 1965	445	6459	163.91W	22 44 17	94.7	-32.3	309.7	4.1	42.0
March 11, 1965	446	6460	170.94E	00 23 37					
"	446	6461	145.79E	02 02 57					
"	446	6462	120.64E	03 42 17	94.8	-31.6	309.6	3.8	42.2
March 11, 1965	446	6463	095.49E	05 21 37					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
March 11, 1965	446	6464	070.34E	07 00 57					
"	446	6465	045.20E	08 40 17	94.8	-31.0	309.5	3.6	42.4
"	446	6466	020.05E	10 19 37					
"	446	6467	005.08W	11 58 57					
"	446	6468	030.23W	13 38 17					
"	446	6469	055.38W	15 17 37					
"	446	6470	080.53W	16 56 57	94.9	-29.9	309.4	3.2	42.8
"	446	6471	105.67W	18 36 17					
"	446	6472	130.82W	20 15 37					
"	446	6473	155.97W	21 54 57					
March 11, 1965	446	6474	170.88E	23 34 17					
March 12, 1965	447	6475	153.73E	01 13 37	95.0	-28.8	309.2	2.8	43.2
"	447	6476	128.58E	02 52 57					
"	447	6477	103.44E	04 32 17					
"	447	6478	078.29E	06 11 37					
"	447	6479	053.14E	07 50 57	95.1	-28.0	309.0	2.6	43.6
"	447	6480	027.99E	09 30 17					
"	447	6481	002.85E	11 09 37					
"	447	6482	022.29W	12 48 57					
"	447	6483	047.44W	14 28 17					
"	447	6484	072.59W	16 07 37					
"	447	6485	097.73W	17 46 57	95.2	-26.8	308.8	2.3	44.1
"	447	6486	122.88W	19 26 17					
"	447	6487	148.03W	21 05 37	95.3	-26.4	308.7	2.1	44.3
March 12, 1965	447	6488	113.17W	22 44 57					
March 13, 1965	448	6489	161.67E	00 24 17					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
March 13, 1965	448	6490	136.52E	02 03 37	95.3	-25.8	308.6	2.0	44.6
"	448	6491	111.38E	03 42 57					
"	448	6492	086.23E	05 22 17					
"	448	6493	061.08E	07 01 37					
"	448	6494	035.93E	08 40 57	95.4	-24.9	308.5	1.7	44.9
"	448	6495	010.79E	10 20 17					
"	448	6496	014.35W	11 59 37					
"	448	6497	039.50W	13 38 57					
"	448	6498	064.64W	15 18 17					
"	448	6499	089.79W	16 57 37					
"	448	6500	114.94W	18 36 57					
"	448	6501	140.03W	20 16 17					
"	448	6502	165.23W	21 55 37	95.6	-23.2	308.2	1.2	45.6
March 13, 1965	448	6503	169.61E	23 34 57					
March 14, 1965	449	6504	144.46E	01 14 17	95.6	-22.8	308.1	1.0	45.8
"	449	6505	119.32E	02 53 37					
"	449	6506	094.17E	04 32 57					
"	449	6507	069.02E	06 12 17	95.6	-22.2	308.0	0.8	46.1
"	449	6508	043.88E	07 51 37					
"	449	6509	018.73E	09 30 57					
"	449	6510	006.41W	11 10 17					
"	449	6511	031.56W	12 49 37					
"	449	6512	056.70W	14 28 57					
"	449	6513	081.85W	16 08 17					
"	449	6514	107.00W	17 47 37					
"	449	6515	132.14W	19 26 57	95.8	-20.5	307.6	0.2	47.0
March 14, 1965	449	6516	157.29W	21 06 17					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
March 14, 1965	449	6517	177.55E	22 45 36					
March 15, 1965	450	6518	152.41E	00 24 57	95.8	-19.9	307.5	-0.0	47.2
"	450	6519	127.26E	02 04 16					
"	450	6520	102.11E	03 43 36					
"	450	6521	076.96E	05 22 56					
"	450	6522	051.82E	07 02 16	95.9	-18.9	307.5	-0.3	47.5
"	450	6523	026.67E	08 41 36					
"	450	6524	001.52E	10 20 56					
"	450	6525	023.62W	12 00 16					
"	450	6526	048.76W	13 39 36					
"	450	6527	073.91W	15 18 56					
"	450	6528	099.06W	16 58 16	96.0	-17.2	307.5	-0.8	47.9
"	450	6529	124.20W	18 37 36					
"	450	6530	149.35W	20 16 56					
"	450	6531	174.49W	21 56 16	96.1	-16.7	307.4	-0.9	48.1
March 15, 1965	450	6532	160.35E	23 35 36					
March 16, 1965	451	6533	135.18E	01 14 57					
"	451	6534	110.03E	02 54 17	96.1	-16.0	307.4	-1.2	48.3
"	451	6535	084.88E	04 33 37					
"	451	6536	059.74E	06 12 57					
"	451	6537	034.59E	07 52 17	96.2	-15.3	307.4	-1.4	48.5
"	451	6538	009.44E	09 31 37					
"	451	6539	015.69W	11 10 57					
"	451	6540	040.84W	12 50 17					
"	451	6541	065.99W	14 29 37					
March 16, 1965	451	6542	091.13W	16 08 57					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
March 16, 1965	451	6543	116.28W	17 48 17					
"	451	6544	141.43W	19 27 37	96.3	-13.7	307.3	-1.9	49.0
"	451	6545	166.58W	21 06 57					
March 16, 1965	451	6546	168.27E	22 46 17	96.4	-13.2	307.3	-2.0	49.2
March 17, 1965	452	6547	143.12E	00 25 37					
"	452	6548	117.97E	02 04 57					
"	452	6549	092.83E	03 44 17					
"	452	6550	067.68E	05 23 37	96.7	-12.2	307.8	-1.5	48.9
"	452	6551	042.53E	07 02 57					
"	452	6552	017.38E	08 42 17					
"	452	6553	007.75W	10 21 37					
"	452	6554	032.90W	12 00 57					
"	452	6555	058.05W	13 40 17					
"	452	6556	083.19W	15 19 37					
"	452	6557	108.34W	16 58 57	96.9	-10.4	308.0	-1.9	49.2
"	452	6558	133.49W	18 38 17	97.0	-10.2	308.0	-1.9	49.2
"	452	6559	158.64W	20 17 36	97.0	-9.9	308.0	-2.0	49.2
"	452	6560	176.21E	21 56 57					
March 17, 1965	452	6561	151.06E	23 36 16	97.0	-9.4	308.1	-2.1	49.3
March 18, 1965	453	6562	125.91E	01 15 36					
"	453	6563	100.77E	02 54 56					
"	453	6564	075.62E	04 34 16					
"	453	6565	050.47E	06 13 36	97.1	-8.3	308.2	-2.4	49.5
"	453	6566	025.32E	07 52 56					
"	453	6567	000.18E	09 32 16					
March 18, 1965	453	6568	024.96W	11 11 36					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
March 18, 1965	453	6569	050.11W	12 50 56					
"	453	6570	075.25W	14 30 16					
"	453	6571	100.40W	16 09 36					
"	453	6572	125.55W	17 48 56					
"	453	6573	150.69W	19 28 16					
"	453	6574	175.84W	21 07 36	97.3	-5.8	308.5	-3.1	49.7
March 18, 1965	453	6575	159.00E	22 46 56					
March 19, 1965	454	6576	133.85E	00 26 16					
"	454	6577	108.71E	02 05 36	97.4	-5.0	308.6	-3.3	49.8
"	454	6578	083.56E	03 44 56					
"	454	6579	058.42E	05 24 16					
"	454	6580	033.27E	07 03 36					
"	454	6581	008.12E	08 42 56	97.5	-3.9	308.7	-3.6	50.0
"	454	6582	017.02W	10 22 16					
"	454	6583	042.16W	12 01 36					
"	454	6584	067.31W	13 40 56					
"	454	6585	092.46W	15 20 16	97.6	-2.8	308.8	-3.9	50.2
"	454	6586	117.61W	16 59 36					
"	454	6587	142.75W	18 38 56					
"	454	6588	167.90W	20 18 16					
"	454	6589	166.94E	21 57 36					
March 19, 1965	454	6590	141.80E	23 36 56	97.7	-1.5	308.9	-4.3	50.4
March 20, 1965	455	6591	116.65E	01 16 16					
"	455	6592	091.50E	02 55 36	97.8	-1.0	308.9	-4.3	50.5
"	455	6593	066.35E	04 34 56					
March 20, 1965	455	6594	041.21E	06 14 16	97.8	-0.5	308.9	-4.4	50.7

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
March 20, 1965	455	6595	016.06E	07 53 36					
"	455	6596	009.08W	09 32 56					
"	455	6597	034.22W	11 12 16					
"	455	6598	059.37W	12 51 36					
"	455	6599	084.52W	14 30 56	97.9	0.7	309.0	-4.7	51.0
"	455	6600	109.67W	16 10 16					
"	455	6601	134.81W	17 49 36					
"	455	6602	159.96W	19 28 56	98.0	1.4	309.0	-4.9	51.2
"	455	6603	174.88E	21 08 16					
March 20, 1965	455	6604	149.74E	22 47 36					
March 21, 1965	456	6605	124.59E	00 26 56	98.1	2.1	309.0	-5.0	51.4
"	456	6606	099.45E	02 06 16					
"	456	6607	074.30E	03 45 36					
"	456	6608	049.15E	05 24 56					
"	456	6609	024.00E	07 04 16					
"	456	6610	001.13W	08 43 36	98.2	3.3	309.0	-5.2	51.7
"	456	6611	026.28W	10 22 56					
"	456	6612	051.43W	12 02 16					
"	456	6613	076.58W	13 41 36	98.3	4.0	309.1	-5.4	51.8
"	456	6614	101.72W	15 20 56	98.3	4.3	309.1	-5.4	51.9
"	456	6615	126.87W	17 00 16					
"	456	6616	152.02W	18 39 36					
"	456	6617	177.16W	20 18 56					
"	456	6618	157.68E	21 58 16					
March 21, 1965	456	6619	132.53E	23 37 36	98.4	5.5	309.2	-5.6	52.2
March 22, 1965	457	6620	107.39E	01 16 56					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
March 22, 1965	457	6621	082.24E	02 56 16					
"	457	6622	057.09E	04 35 36					
"	457	6623	031.94E	06 14 56					
"	457	6624	006.80E	07 54 16	98.6	6.7	309.3	-5.9	52.4
"	457	6625	018.34W	09 33 36					
"	457	6626	043.49W	11 12 56					
"	457	6627	068.64W	12 52 16					
"	457	6628	093.78W	14 31 36	98.7	7.7	309.4	-6.0	52.6
"	457	6629	118.93W	16 10 56					
"	457	6630	144.08W	17 50 16	98.7	8.2	309.4	-6.1	52.7
"	457	6631	169.22W	19 29 36					
"	457	6632	165.62E	21 08 56	98.8	8.7	309.4	-6.2	52.8
March 22, 1965	457	6633	140.47E	22 48 16					
March 23, 1965	458	6634	115.31E	00 27 37					
"	458	6635	090.16E	02 06 57					
"	458	6636	065.01E	03 46 17					
"	458	6637	039.87E	05 25 37					
"	458	6638	014.72E	07 04 57	99.0	10.2	309.6	-6.5	53.1
"	458	6639	010.42W	08 44 17					
"	458	6640	035.56W	10 23 37					
"	458	6641	060.71W	12 02 57					
"	458	6642	085.86W	13 42 17	99.1	11.2	309.6	-6.6	53.3
"	458	6643	111.01W	15 21 37	99.1	11.5	309.6	-6.7	53.4
"	458	6644	136.15W	17 00 57	99.1	11.7	309.7	-6.7	53.4
"	458	6645	161.30W	18 40 17	99.1	12.0	309.7	-6.8	53.5
"	458	6646	173.54E	20 19 37					
March 23, 1965	458	6647	148.39E	21 58 57					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
March 23, 1965	458	6648	123.25E	23 38 17					
March 24, 1965	459	6649	098.10E	01 17 37					
"	459	6650	072.95E	02 56 57					
"	459	6651	047.81E	04 36 17					
"	459	6652	022.66E	06 15 37					
"	459	6653	002.48W	07 54 57	0.1	13.9	309.9	-6.9	53.8
"	459	6654	027.63W	09 34 17					
"	459	6655	052.77W	11 13 37					
"	459	6656	077.92W	12 52 57					
"	459	6657	103.07W	14 32 17	0.2	14.9	310.1	-7.0	53.9
"	459	6658	128.21W	16 11 37					
"	459	6659	153.36W	17 50 57	0.3	15.4	310.2	-7.0	53.9
"	459	6660	178.51W	19 30 17					
"	459	6661	156.33E	21 09 37					
March 24, 1965	459	6662	131.19E	22 48 57					
March 25, 1965	460	6663	106.04E	00 28 17					
"	460	6664	080.89E	02 07 37	0.5	16.6	310.3	-7.0	54.1
"	460	6665	055.75E	03 46 57					
"	460	6666	030.60E	05 26 17					
"	460	6667	005.45E	07 05 37					
"	460	6668	019.68W	08 44 57					
"	460	6669	044.83W	10 24 17					
"	460	6670	069.98W	12 03 37					
"	460	6671	095.13W	13 42 57	0.8	18.2	310.5	-6.9	54.4
"	460	6672	120.27W	15 22 17					
March 25, 1965	460	6673	145.42W	17 01 37	0.9	18.6	310.6	-6.8	54.5

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
March 25, 1965	460	6674	170.57W	18 40 57					
"	460	6675	164.28E	20 20 17					
"	460	6676	139.13E	21 59 37					
March 25, 1965	460	6677	113.98E	23 38 57	1.1	19.5	310.6	-6.8	54.6
March 26, 1965	461	6678	088.83E	01 18 17					
"	461	6679	063.69E	02 57 37					
"	461	6680	038.54E	04 36 57					
"	461	6681	013.39E	06 16 17	1.3	20.4	310.8	-6.7	54.8
"	461	6682	011.75W	07 55 37					
"	461	6683	036.89W	09 34 57					
"	461	6684	062.04W	11 14 17					
"	461	6685	087.18W	12 53 37	1.5	21.3	310.9	-6.5	54.9
"	461	6686	112.33W	14 32 57					
"	461	6687	137.48W	16 12 17	1.6	21.7	311.0	-6.5	55.0
"	461	6688	162.63W	17 51 37					
"	461	6689	172.22E	19 30 57					
"	461	6690	147.07E	21 10 17					
March 26, 1965	461	6691	121.92E	22 49 37	1.8	22.6	311.1	-6.4	55.1
March 27, 1965	462	6692	096.78E	00 28 57					
"	462	6693	071.63E	02 08 17					
"	462	6694	046.48E	03 47 37	1.9	23.2	311.2	-6.3	55.2
"	462	6695	021.33E	05 26 57					
"	462	6696	003.80W	07 06 17					
"	462	6697	028.95W	08 45 37					
"	462	6698	054.10W	10 24 57					
March 27, 1965	462	6699	079.25W	12 04 17	2.2	24.3	311.3	-6.2	55.4

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg) Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
March 27, 1965	462	6700	104.39W 13 43 37					
"	462	6701	129.54W 15 22 57	2.3	24.7	311.3	-6.1	55.5
"	462	6702	154.69W 17 02 17	2.3	24.9	311.3	-6.1	55.5
"	462	6703	179.83W 18 41 37					
"	462	6704	155.01E 20 20 57	2.4	25.4	311.4	-6.1	55.6
"	462	6705	129.86E 22 00 17					
March 27, 1965	462	6706	104.72E 23 39 37					
March 28, 1965	463	6707	079.57E 01 18 57					
"	463	6708	054.42E 02 58 17					
"	463	6709	029.27E 04 37 37	2.7	26.5	311.5	-6.0	55.8
"	463	6710	004.13E 06 16 57					
"	463	6711	021.01W 07 56 17					
"	463	6712	046.16W 09 35 37					
"	463	6713	071.30W 11 14 57					
"	463	6714	096.45W 12 54 17	2.9	27.6	311.7	-5.8	56.0
"	463	6715	121.60W 14 33 37					
"	463	6716	146.74W 16 12 57	3.0	28.0	311.7	-5.8	56.0
"	463	6717	171.89W 17 52 17					
"	463	6718	162.95E 19 31 37	3.1	28.5	311.8	-5.8	56.1
"	463	6719	137.81E 21 10 57					
March 28, 1965	463	6720	112.66E 22 50 17	3.2	28.9	311.9	-5.7	56.2
March 29, 1965	464	6721	087.51E 00 29 37					
"	464	6722	062.36E 02 08 57					
"	464	6723	037.22E 03 48 17					
"	464	6724	012.07E 05 27 37	3.4	29.8	311.9	-5.7	56.3
March 29, 1965	464	6725	013.07W 07 06 57					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	LONGITUDE (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
March 29, 1965	464	6726	038.21W	08 46 17					
"	464	6727	063.36W	10 25 37	3.6	30.6	312.0	-5.6	56.5
"	464	6728	088.51W	12 04 57	3.7	30.8	312.1	-5.6	56.6
"	464	6729	113.66W	13 44 17	3.7	31.0	312.1	-5.6	56.6
"	464	6730	138.80W	15 23 37	3.8	31.2	312.1	-5.6	56.6
"	464	6731	163.95W	17 02 57					
"	464	6732	170.89E	18 42 17	3.9	31.7	312.1	-5.5	56.7
"	464	6733	145.74E	20 21 37	3.9	31.9	312.2	-5.5	56.8
"	464	6734	120.60E	22 00 57	4.0	32.1	312.2	-5.5	56.8
March 29, 1965	464	6735	095.45E	23 40 17					
March 30, 1965	465	6736	070.11E	01 19 36					
"	465	6737	044.96E	02 58 56	4.1	32.5	312.2	-5.5	56.9
"	465	6738	019.82E	04 38 16					
"	465	6739	005.32W	06 17 36					
"	465	6740	030.47W	07 56 56					
"	465	6741	055.62W	09 36 16					
"	465	6742	080.77W	11 15 36					
"	465	6743	105.91W	12 54 56	4.4	33.7	312.2	-5.4	57.3
"	465	6744	131.06W	14 34 16	4.5	33.9	312.2	-5.4	57.3
"	465	6745	156.21W	16 13 36	4.5	34.1	312.2	-5.4	57.4
"	465	6746	178.63E	17 52 56					
"	465	6747	153.49E	19 32 16	4.6	34.5	312.2	-5.3	57.5
"	465	6748	128.34E	21 11 36					
March 30, 1965	465	6749	103.19E	22 50 56					
March 31, 1965	466	6750	078.04E	00 30 16	4.8	35.0	312.3	-5.1	57.7

MAC SWITCH CHANGED FROM POSITION 0 TO 11

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	LONGITUDE (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
March 31, 1965	466	6751	052.89E	02 09 36	5.0	34.8	312.2	-4.5	57.7
"	466	6752	027.75E	03 48 56					
"	466	6753	002.60E	05 28 16					
"	466	6754	022.54W	07 07 36					
"	466	6755	047.69W	08 46 56					
"	466	6756	072.83W	10 26 16					
"	466	6757	097.98W	12 05 36	6.1	33.3	311.7	-0.8	58.3
"	466	6758	123.13W	13 44 56					
"	466	6759	148.28W	15 24 16					
"	466	6760	173.43W	17 03 36					
"	466	6761	161.42E	18 42 56	6.9	32.3	311.4	1.6	58.6
"	466	6762	136.27E	20 22 16					
"	466	6763	111.12E	22 01 36	7.3	31.8	311.2	2.9	58.8
March 31, 1965	466	6764	085.97E	23 40 56					
April 1, 1965	467	6765	060.82E	01 20 16					
"	467	6766	035.68E	02 59 36	7.9	31.0	311.1	4.7	59.0
"	467	6767	010.53E	04 38 56					
"	467	6768	014.61W	06 18 16					
"	467	6769	039.76W	07 57 36					
"	467	6770	064.91W	09 36 56					
"	467	6771	090.05W	11 16 16	8.8	29.8	311.0	7.7	59.4
"	467	6772	115.20W	12 55 36	9.0	29.5	310.9	8.3	59.5
"	467	6773	140.35W	14 34 56					
"	467	6774	165.50W	16 14 16					
"	467	6775	169.34E	17 53 36	9.5	28.8	310.9	10.1	59.7
"	467	6776	144.20E	19 32 56					
April 1, 1965	467	6777	119.05E	21 12 16					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
April 1, 1965	467	6778	093.90E	22 51 36					
April 2, 1965	468	6779	068.75E	00 30 56	10.3	27.8	310.9	12.5	59.9
"	468	6780	043.61E	02 10 16					
"	468	6781	018.46E	03 49 36					
"	468	6782	006.68W	05 28 56					
"	468	6783	031.83W	07 08 16					
"	468	6784	056.97W	08 47 36					
"	468	6785	082.12W	10 26 56					
"	468	6786	107.27W	12 06 16					
"	468	6787	132.42W	13 45 36	11.8	25.8	311.5	17.3	60.1
"	468	6788	157.57W	15 24 56					
"	468	6789	177.28E	17 04 16	12.2	25.3	311.7	18.5	60.1
"	468	6790	152.13E	18 43 36	12.4	25.0	311.8	19.1	60.1
"	468	6791	126.98E	20 22 56					
"	468	6792	101.83E	22 02 16	12.8	24.5	311.9	20.3	60.1
April 2, 1965	468	6793	076.68E	23 41 36					
April 3, 1965	469	6794	051.54E	01 20 56					
"	469	6795	026.39E	03 00 16	13.4	23.9	312.5	22.0	60.0
"	469	6796	001.24E	04 39 36					
"	469	6797	023.90W	06 18 56					
"	469	6798	049.04W	07 58 16					
"	469	6799	074.19W	09 37 36					
"	469	6800	099.34W	11 16 56					
"	469	6801	124.49W	12 56 16					
"	469	6802	149.63W	14 35 36	14.8	22.7	314.1	25.6	59.4
April 3, 1965	469	6803	174.78W	16 14 56					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
April 3, 1965	469	6804	160.06E	17 54 16					
"	469	6805	134.91E	19 33 36					
"	469	6806	109.76E	21 12 56					
April 3, 1965	469	6807	084.62E	22 52 16					
April 4, 1965	470	6808	059.46E	00 31 36					
"	470	6809	034.32E	02 10 56	16.1	21.4	316.1	29.2	58.6
"	470	6810	009.17E	03 50 16					
"	470	6811	015.96W	05 29 36					
"	470	6812	041.12W	07 08 56					
"	470	6813	066.26W	08 48 16					
"	470	6814	091.41W	10 27 36					
"	470	6815	116.56W	12 06 56					
"	470	6816	141.70W	13 46 16	17.6	20.1	318.7	32.6	57.6
"	470	6817	166.85W	15 25 36					
"	470	6818	167.99E	17 04 56					
"	470	6819	142.84E	18 44 16	18.2	19.5	319.9	34.1	57.1
"	470	6820	117.70E	20 23 36					
"	470	6821	092.54E	22 02 56	18.6	19.1	320.6	35.1	56.8
April 4, 1965	470	6822	067.40E	23 42 16					
April 5, 1965	471	6823	042.25E	01 21 36	19.0	18.7	321.6	35.9	56.5
"	471	6824	017.10E	03 00 56					
"	471	6825	008.04W	04 40 15					
"	471	6826	033.18W	06 19 36					
"	471	6827	058.33W	07 58 56					
"	471	6828	083.48W	09 38 15					
April 5, 1965	471	6829	108.63W	11 17 36					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
April 5, 1965	471	6830	133.77W	12 56 56	20.4	17.6	325.4	38.5	54.8
"	471	6831	158.92W	14 36 16					
"	471	6832	175.92E	16 15 36					
"	471	6833	150.77E	17 54 56	21.0	17.2	327.1	39.5	54.1
"	471	6834	125.62E	19 34 16					
"	471	6835	100.48E	21 13 36					
April 5, 1965	471	6836	075.33E	22 52 55					
April 6, 1965	472	6837	050.42E	00 32 14					
"	472	6838	025.27E	02 11 34	22.0	16.6	329.8	40.9	52.9
"	472	6839	000.12E	03 50 54					
"	472	6840	025.01W	05 30 14					
"	472	6841	050.16W	07 09 34					
"	472	6842	075.31W	08 48 54					
"	472	6843	100.46W	10 28 14					
"	472	6844	125.60W	12 07 34					
"	472	6845	150.75W	13 46 54	23.2	16.3	333.6	41.7	51.1
"	472	6846	175.90W	15 26 14					
"	472	6847	158.94E	17 05 34					
"	472	6848	133.80E	18 44 54	23.7	16.1	335.2	42.1	50.3
"	472	6849	108.65E	20 24 14	23.9	16.1	335.8	42.2	50.0
"	472	6850	083.50E	22 03 34					
April 6, 1965	472	6851	058.36E	23 42 54					
April 7, 1965	473	6852	033.21E	01 22 14	24.4	16.1	337.4	42.4	49.1
"	473	6853	008.06E	03 01 34					
"	473	6854	017.07W	04 40 53					
April 7, 1965	473	6855	042.22W	06 20 14					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)	
April 7, 1965	473	6856	067.37W	07 59 33						
"	473	6857	092.51W	09 38 53	25.3	16.3	340.2	41.9	47.3	
"	473	6858	117.66W	11 18 14	25.5	16.4	340.8	41.8	46.9	
"	473	6859	142.81W	12 57 33	25.6	16.5	341.3	41.8	46.6	
"	473	6860	167.96W	14 36 53						
"	473	6861	166.89E	15 16 13	26.0	16.6	342.5	41.6	45.8	
"	473	6862	141.74E	17 55 33	26.1	16.6	343.0	41.5	45.5	
"	473	6863	116.59E	19 34 53						
"	473	6864	091.45E	21 14 13						
April 7, 1965	473	6865	066.30E	22 53 33						
April 8, 1965	474	6866	041.15E	00 32 53						
"	474	6867	016.01E	02 12 13						
"	474	6868	009.13W	03 51 33						
"	474	6869	034.28W	05 30 53						
"	474	6870	059.43W	07 10 13						
"	474	6871	084.57W	08 49 33	27.7	17.5	347.7	39.8	41.8	
"	474	6872	109.72W	10 28 53	27.9	17.6	348.2	39.5	41.3	
"	474	6873	134.87W	12 08 13	28.1	17.7	348.7	39.3	40.9	
"	474	6874	160.01W	13 47 33						
"	474	6875	174.83E	15 26 53	28.5	18.0	349.7	38.8	40.0	
"	474	6876	149.68E	17 06 13	28.6	18.1	350.2	38.5	39.6	
"	474	6877	124.53E	18 45 33	28.8	18.2	350.7	38.3	39.2	
			MAC SWITCH CHANGED FROM POSITION 11 TO 0							
"	474	6878	099.39E	20 24 53	28.8	18.1	350.7	38.3	39.2	
"	474	6879	074.24E	22 04 13						
April 8, 1965	474	6880	049.09E	23 43 33						
April 9, 1965	475	6881	023.94E	01 22 53						

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
April 9, 1965	475	6882	001.19W	03 02 13					
"	475	6883	026.34W	04 41 33					
"	475	6884	051.49W	06 20 53					
"	475	6885	076.63W	08 00 13	29.2	17.4	350.9	38.6	39.4
"	475	6886	101.78W	09 39 33	29.3	17.3	351.0	38.7	39.4
"	475	6887	126.93W	11 18 53	29.3	17.2	351.0	38.7	39.5
"	475	6888	152.08W	12 58 13					
"	475	6889	177.22W	14 37 33	29.5	16.9	351.0	38.9	39.6
"	475	6890	157.62E	16 16 53	29.5	16.8	351.0	38.9	39.6
"	475	6891	132.47E	17 56 13	29.5	16.7	351.0	39.0	39.7
"	475	6892	107.33E	19 35 33					
"	475	6893	082.18E	21 14 53					
"	475	6894	057.03E	22 54 13					
April 9, 1965									
April 10, 1965	476	6895	031.88E	00 33 33					
"	476	6896	006.74E	02 12 53					
"	476	6897	018.40W	03 52 13					
"	476	6898	043.55W	05 31 33					
"	476	6899	068.69W	07 10 53					
"	476	6900	093.84W	08 50 13					
"	476	6901	118.99W	10 29 33					
"	476	6902	144.13W	12 08 53					
"	476	6903	169.28W	13 48 13	30.2	15.2	351.4	39.5	40.0
"	476	6904	165.56E	15 27 33	30.2	15.1	351.4	39.6	40.0
"	476	6905	140.41E	17 06 53	30.3	15.0	351.5	39.6	40.1
"	476	6906	115.27E	18 46 13					
"	476	6907	090.12E	20 25 33					
"	476	6908	064.97E	22 04 53					
April 10, 1965									

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
April 10, 1965	476	6909	039.83E	23 44 13					
April 11, 1965	477	6910	014.68E	01 23 33					
"	477	6911	010.46W	03 02 53					
"	477	6912	035.61W	04 42 13					
"	477	6913	060.75W	06 21 33					
"	477	6914	085.90W	08 00 53					
"	477	6915	111.05W	09 40 13					
"	477	6916	136.19W	11 19 33					
"	477	6917	161.34W	12 58 53					
"	477	6918	173.50E	14 38 13	31.0	13.5	352.1	40.0	40.1
"	477	6919	148.35E	16 17 33	31.1	13.4	352.1	40.0	40.1
"	477	6920	123.21E	17 56 53					
"	477	6921	098.06E	19 36 13	31.2	13.1	353.2	40.0	40.1
"	477	6922	072.92E	21 15 33					
April 11, 1965	477	6923	047.77E	22 54 53					
April 12, 1965	478	6924	022.62E	00 34 13					
"	478	6925	002.52W	02 13 33					
"	478	6926	027.66W	03 52 53					
"	478	6927	052.81W	05 32 13					
"	478	6928	077.96W	07 11 33					
"	478	6929	103.11W	08 50 53					
"	478	6930	128.25W	10 30 13					
"	478	6931	153.40W	12 09 33					
"	478	6932	178.54W	13 48 53	31.8	11.8	352.8	40.2	40.1
"	478	6933	156.30E	15 28 13	31.8	11.6	353.9	40.3	40.1
"	478	6934	131.15E	17 07 33	31.9	11.5	353.0	40.3	40.1
April 12, 1965	478	6935	106.00E	18 46 53	31.9	11.4	353.0	40.3	40.1

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
April 12, 1965	478	6936	080.86E	20 26 13					
"	478	6937	055.71E	22 05 33					
April 12 1965	478	6938	030.56E	23 44 53					
April 13, 1965	479	6939	005.41E	01 24 10					
"	479	6940	019.73W	03 03 30					
"	479	6941	044.88W	04 42 50					
"	479	6942	070.03W	06 22 10					
"	479	6943	095.17W	08 01 30					
"	479	6944	120.32W	09 40 50					
"	479	6945	145.46W	11 20 10					
"	479	6946	170.61W	12 59 30	32.5	10.1	353.6	40.2	39.9
"	479	6947	164.23E	14 38 50	32.6	10.0	353.6	40.2	39.9
"	479	6948	139.09E	16 18 10	32.6	9.9	353.7	40.2	39.9
"	479	6949	113.94E	17 57 30	32.7	9.8	353.7	40.2	39.8
"	479	6950	088.79E	19 36 50	32.8	9.7	353.8	40.2	39.8
"	479	6951	063.64E	21 16 10					
April 13, 1965	479	6952	038.49E	22 55 30					
April 14, 1965	480	6953	013.35E	00 34 50					
"	480	6954	011.79W	02 14 10					
"	480	6955	036.93W	03 53 30					
"	480	6956	062.08W	05 32 49					
"	480	6957	087.23W	07 12 09					
"	480	6958	112.38W	08 51 29					
"	480	6959	137.53W	10 30 49					
"	480	6960	162.67W	12 10 09	33.3	8.5	354.2	40.1	39.6
"	480	6961	172.17E	13 49 29					
April 14, 1965	480	6962	147.03E	15 28 49	33.4	8.3	354.3	40.1	39.6

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
April 14, 1965	480	6963	121.88E	17 08 09	33.5	8.2	354.4	40.0	39.6
"	480	6964	096.73E	18 47 29					
"	480	6965	071.59E	20 26 49					
"	480	6966	046.44E	22 06 09	33.6	7.8	354.5	40.0	39.5
April 14, 1965	480	6967	021.29E	23 45 29					
April 15, 1965	481	6968	003.85W	01 24 49					
"	481	6969	028.99W	03 04 09					
"	481	6970	054.14W	04 43 29					
"	481	6971	079.29W	06 22 49					
"	481	6972	104.43W	08 02 09	33.9	7.1	354.7	39.9	39.4
"	481	6973	129.58W	09 41 29					
"	481	6974	154.73W	11 20 49					
"	481	6975	179.88W	13 00 09	34.1	6.8	354.8	39.8	39.4
"	481	6976	154.97E	14 39 29					
"	481	6977	129.82E	16 18 49					
"	481	6978	104.67E	17 58 09	34.2	6.4	354.9	39.8	39.3
"	481	6979	079.53E	19 37 29					
"	481	6980	054.38E	21 16 49					
April 15, 1965	481	6981	029.23E	22 56 09					
April 16, 1965	482	6982	004.09E	00 35 29					
"	482	6983	021.05W	02 14 49					
"	482	6984	046.20W	03 54 09					
"	482	6985	071.35W	05 33 29					
"	482	6986	096.49W	07 12 49	34.6	5.5	355.2	39.5	39.2
"	482	6987	121.64W	08 52 08					
"	482	6988	146.79W	10 31 28					
April 16, 1965	482	6989	171.94W	12 10 48	34.8	5.1	355.3	39.5	39.1

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
April 16, 1965	482	6990	162.91E	13 50 08	34.8	5.0	355.3	39.5	39.1
"	482	6991	137.76E	15 29 28	34.9	4.9	355.3	39.4	39.1
"	482	6992	112.62E	17 08 48					
"	482	6993	087.47E	18 48 08					
"	482	6994	062.32E	20 27 28					
"	482	6995	037.18E	22 06 48					
April 16, 1965	482	6996	012.03E	23 46 08					
April 17, 1965	483	6997	013.11W	01 25 28					
"	483	6998	038.26W	03 04 48					
"	483	6999	063.40W	04 44 08					
"	483	7000	088.55W	06 23 28					
"	483	7001	113.70W	08 02 48					
"	483	7002	138.84W	09 42 08					
"	483	7003	163.99W	11 21 28	35.4	3.5	355.5	39.2	39.1
"	483	7004	170.85E	13 00 48					
"	483	7005	145.70E	14 40 08	35.5	3.2	355.5	39.2	39.1
"	483	7006	120.56E	16 19 28	35.5	3.1	355.5	39.1	39.1
"	483	7007	095.41E	17 58 48					
"	483	7008	070.26E	19 38 08					
"	483	7009	045.12E	21 17 28					
April 17, 1965	483	7010	019.97E	22 56 48					
April 18, 1965	484	7011	005.17W	00 36 08					
"	484	7012	030.32W	02 15 28					
"	484	7013	055.46W	03 54 48					
"	484	7014	080.61W	05 34 08					
April 18, 1965	484	7015	105.75W	07 13 28	35.9	2.0	355.4	38.9	39.2

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TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
April 18, 1965	484	7016	130.90W	08 52 48					
"	484	7017	156.05W	10 32 08					
"	484	7018	178.79E	12 11 27					
"	484	7019	153.64E	13 50 47					
"	484	7020	128.50E	15 30 07					
"	484	7021	103.35E	17 09 27					
"	484	7022	078.20E	18 48 47					
"	484	7023	053.06E	20 28 07					
"	484	7024	027.91E	22 07 27					
April 18, 1965	484	7025	002.77E	23 46 47					
April 19, 1965	485	7026	022.37W	01 26 07					
"	485	7027	047.52W	03 05 27					
"	485	7028	072.67W	04 44 47					
"	485	7029	097.81W	06 24 07	36.5	0.4	355.3	38.6	39.3
"	485	7030	122.96W	08 03 27					
"	485	7031	148.11W	09 42 47					
"	485	7032	173.25W	11 22 07	36.6	-0.0	355.3	38.5	39.4
"	485	7033	161.59E	13 01 27	36.6	-0.1	355.3	38.5	39.4
"	485	7034	136.44E	14 40 47					
"	485	7035	111.29E	16 20 07	36.7	-0.4	355.3	38.5	39.4
MAC SWITCH CHANGED FROM POSITION 0 TO 9									
"	485	7036	086.14E	17 59 27					
"	485	7037	061.00E	19 38 47					
"	485	7038	035.86E	21 18 07					
April 19, 1965	485	7039	010.71E	22 57 27					
April 20, 1965	486	7040	014.47W	00 36 51					
April 20, 1965	486	7041	039.62W	02 16 11					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
April 20, 1965	486	7042	064.76W	03 55 31					
"	486	7043	089.91W	05 34 51					
"	486	7044	115.06W	07 14 11					
"	486	7045	140.21W	08 53 30					
"	486	7046	165.36W	10 32 51	37.6	-1.1	356.0	36.4	38.1
"	486	7047	169.49E	12 12 11	37.7	-1.1	356.0	36.2	38.0
"	486	7048	144.34E	13 51 30	37.8	-1.2	356.1	36.0	37.9
"	486	7049	119.19E	15 30 51					
"	486	7050	094.05E	17 10 10					
"	486	7051	068.90E	18 49 30					
"	486	7052	043.75E	20 28 51					
"	486	7053	018.61E	22 08 10					
"	486	7054	006.53W	23 47 30					
April 20, 1965									
April 21, 1965	487	7055	031.68W	01 26 51					
"	487	7056	056.82W	03 06 11					
"	487	7057	081.97W	04 45 30	38.5	-1.8	356.5	34.2	37.0
"	487	7058	107.12W	06 24 51					
"	487	7059	132.27W	08 04 10					
"	487	7060	157.41W	09 43 30	38.8	-2.0	356.6	33.6	36.7
"	487	7061	177.43E	11 22 50					
"	487	7062	152.28E	13 02 10					
"	487	7063	127.14E	14 41 30	39.0	-2.2	356.7	33.0	36.4
"	487	7064	101.99E	16 20 50	39.1	-2.2	356.7	32.8	36.3
"	487	7065	076.84E	18 00 10					
"	487	7066	051.69E	19 39 30					
"	487	7067	026.55E	21 18 51					
"	487	7068	001.40E	22 58 10					
April 21, 1965									

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	LONGITUDE (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
April 22, 1965	488	7069	023.74W	00 37 30					
"	488	7070	048.89W	02 16 50					
"	488	7071	074.03W	03 56 10					
"	488	7072	099.18W	05 35 30					
"	488	7073	124.33W	07 14 50					
"	488	7074	149.47W	08 54 10					
"	488	7075	174.62W	10 33 30					
"	488	7076	160.22E	12 12 50	40.1	-3.0	356.9	30.4	35.6
"	488	7077	135.08E	13 52 10	40.1	-3.0	356.9	30.2	35.6
"	488	7078	109.93E	15 31 30	40.2	-3.1	356.9	30.0	35.5
"	488	7079	084.78E	17 10 50					
"	488	7080	059.63E	18 50 10					
"	488	7081	034.49E	20 29 30					
"	488	7082	009.34E	22 08 50					
"	488	7083	015.80W	23 48 10					
April 22, 1965					40.7	-3.5	356.8	28.9	35.4
April 23, 1965	489	7084	040.94W	01 27 30					
"	489	7085	066.09W	03 06 50					
"	489	7086	091.24W	04 46 10					
"	489	7087	116.39W	06 25 30					
"	489	7088	141.53W	08 04 50					
"	489	7089	166.68W	09 44 10	41.1	-3.8	356.9	27.8	35.2
"	489	7090	168.16E	11 23 30	41.2	-3.8	356.9	27.6	35.2
"	489	7091	143.02E	13 02 50	41.3	-3.9	356.9	27.4	35.1
"	489	7092	117.87E	14 42 10					
"	489	7093	092.72E	16 21 30					
April 23, 1965	489	7094	067.58E	18 00 50					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
April 23, 1965	489	7095	042.43E	19 40 10					
"	489	7096	017.28E	21 19 30					
April 23, 1965	489	7097	007.86W	22 58 50					
April 24, 1965	490	7098	033.00W	00 38 10					
"	490	7099	058.15W	02 17 30					
"	490	7100	083.30W	03 56 50					
"	490	7101	108.44W	05 36 10					
"	490	7102	133.59W	07 15 30					
"	490	7103	158.74W	08 54 50	42.3	-4.3	356.6	24.5	35.2
"	490	7104	176.10E	10 34 10					
"	490	7105	150.96E	12 13 30					
"	490	7106	125.81E	13 52 50					
"	490	7107	100.66E	15 32 10					
"	490	7108	075.52E	17 11 30					
"	490	7109	050.37E	18 50 50					
"	490	7110	025.22E	20 30 10					
"	490	7111	000.07E	22 09 30					
April 24, 1965	490	7112	025.07W	23 48 50					
April 25, 1965	491	7113	050.21W	01 28 10					
"	491	7114	075.36W	03 07 30					
"	491	7115	100.50W	04 46 50					
"	491	7116	125.65W	06 26 10					
"	491	7117	150.80W	08 05 30					
"	491	7118	175.95W	09 44 50					
"	491	7119	158.89E	11 24 10	43.7	-4.7	355.9	20.5	36.0
"	491	7120	133.75E	13 03 30	43.8	-4.7	355.9	20.2	36.0
April 25, 1965	491	7121	108.60E	14 42 50					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	LONGITUDE (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
April 25, 1965	491	7122	083.45E	16 22 10					
"	491	7123	058.31E	18 01 30					
"	491	7124	033.16E	19 40 50					
"	491	7125	008.01E	21 20 10					
April 25, 1965	491	7126	017.13W	22 59 30					
April 26, 1965	492	7127	042.27W	00 38 50	44.4	-5.0	355.6	18.6	36.5
"	492	7128	067.42W	02 18 10					
"	492	7129	092.56W	03 57 30	44.5	-5.0	355.5	18.1	36.8
"	492	7130	117.71W	05 36 50					
"	492	7131	142.86W	07 16 10					
"	492	7132	168.01W	08 55 30	44.8	-5.1	355.2	17.3	37.2
"	492	7133	166.84E	10 34 50	44.9	-5.1	355.2	17.1	37.3
"	492	7134	141.69E	12 14 10	45.0	-5.1	355.1	16.8	37.4
"	492	7135	116.54E	13 53 30					
"	492	7136	091.39E	15 32 50					
"	492	7137	066.25E	17 12 10					
"	492	7138	041.10E	18 51 30					
"	492	7139	015.95E	20 30 50					
"	492	7140	009.18W	22 10 10					
April 26, 1965	492	7141	034.33W	23 49 30					
April 27, 1965	493	7142	059.48W	01 28 48	45.6	-5.2	354.5	14.8	38.5
"	493	7143	084.62W	03 08 08	45.7	-5.2	354.5	14.6	38.6
"	493	7144	109.77W	04 47 28					
"	493	7145	134.92W	06 26 48					
"	493	7146	160.07W	08 06 08	46.0	-5.3	354.2	13.9	39.1
April 27, 1965	493	7147	174.78E	09 45 28	46.0	-5.3	354.2	13.6	39.2

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg) Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
April 27, 1965	493	7148	149.63E 11 24 48	46.1	-5.3	354.1	13.4	39.4
"	493	7149	124.48E 13 04 08	46.2	-5.4	354.0	13.1	39.5
"	493	7150	099.34E 14 43 28	46.3	-5.4	354.0	12.9	39.7
"	493	7151	074.19E 16 22 48					
"	493	7152	049.04E 18 02 08					
"	493	7153	023.90E 19 41 28					
"	493	7154	001.24W 21 20 48					
"	493	7155	026.39W 23 00 08					
April 28, 1965	494	7156	051.54W 00 39 28	46.8	-5.5	353.6	11.4	40.6
"	494	7157	076.69W 02 18 48					
"	494	7158	101.83W 03 58 08					
"	494	7159	126.98W 05 37 28					
"	494	7160	152.12W 07 16 48					
"	494	7161	177.27W 08 56 08	47.3	-5.7	353.5	9.9	41.3
"	494	7162	157.57E 10 35 28	47.4	-5.8	353.5	9.7	41.4
"	494	7163	132.43E 12 14 48					
"	494	7164	107.28E 13 54 08	47.6	-5.9	353.4	9.1	41.7
"	494	7165	082.13E 15 33 28					
"	494	7166	056.98E 17 12 48					
"	494	7167	031.83E 18 52 08					
"	494	7168	006.69E 20 31 28					
"	494	7169	018.45W 22 10 48					
April 28, 1965	494	7170	043.60W 23 50 08	48.2	-6.1	353.3	7.4	42.5
April 29, 1965	495	7171	068.74W 01 29 28					
"	495	7172	093.89W 03 08 48	48.4	-6.2	353.2	6.8	42.9
"	495	7173	119.04W 04 48 08					
"	495	7174	144.18W 06 27 28					
April 28, 1965	495	7175	169.33W 08 06 48	48.7	-6.3	353.2	5.9	43.3

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
April 29, 1965	495	7176	165.51E	09 46 08					
"	495	7177	140.37E	11 25 28					
"	495	7178	115.22E	13 04 48	49.0	-6.4	353.1	5.1	43.8
"	495	7179	090.07E	14 44 08					
"	495	7180	064.92E	16 23 28					
"	495	7181	039.78E	18 02 48					
"	495	7182	014.63E	19 42 08					
"	495	7183	010.51W	21 21 28					
April 29, 1965	495	7184	035.66W	23 00 48					
April 30, 1965	496	7185	060.80W	00 40 08	49.7	-6.7	353.0	3.1	45.0
"	496	7186	085.95W	02 19 28					
"	496	7187	111.10W	03 58 48					
"	496	7188	136.24W	05 38 08					
"	496	7189	161.39W	07 17 28					
"	496	7190	173.45E	08 56 48	50.2	-7.0	352.9	1.7	45.9
"	496	7191	148.31E	10 36 08	50.3	-7.0	352.8	1.4	46.1
"	496	7192	123.16E	12 15 28					
"	496	7193	098.01E	13 54 48					
"	496	7194	072.86E	15 34 08					
"	496	7195	047.72E	17 13 28					
"	496	7196	022.57E	18 52 48					
"	496	7197	002.57W	20 32 08					
"	496	7198	027.71W	22 11 28					
April 30, 1965	496	7199	052.86W	23 50 48	51.1	-7.4	352.7	-0.8	47.5
May 1, 1965	497	7200	078.01W	01 30 08	51.2	-7.4	352.7	-1.1	47.7
"	497	7201	103.16W	03 09 28	51.3	-7.5	352.7	-1.4	47.8
May 1, 1965	497	7202	128.30W	04 48 48					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
May 1, 1965	497	7203	153.45W	06 28 08					
"	497	7204	178.60W	08 07 28	51.6	-7.6	352.7	-2.4	48.4
"	497	7205	156.25E	09 46 48					
"	497	7206	131.10E	11 26 08	51.9	-7.7	352.7	-3.1	48.8
"	497	7207	105.95E	13 05 28					
"	497	7208	080.81E	14 44 48					
"	497	7209	055.66E	16 24 08					
"	497	7210	030.51E	18 03 28					
"	497	7211	005.36E	19 42 48					
"	497	7212	019.77W	21 22 08					
May 1, 1965	497	7213	044.92W	23 01 28	52.7	-8.0	352.8	-5.4	50.1
May 2, 1965	498	7214	070.07W	00 40 48					
"	498	7215	095.22W	02 20 08	52.7	-8.1	352.4	-5.3	50.6
"	498	7216	120.36W	03 59 28					
"	498	7217	145.51W	05 38 48					
"	498	7218	170.66W	07 18 08					
"	498	7219	164.18E	08 57 28	53.1	-8.2	352.3	-6.4	51.4
"	498	7220	139.04E	10 36 48	53.2	-8.2	352.2	-6.6	51.6
"	498	7221	113.89E	12 16 08	53.2	-8.3	352.2	-6.9	51.8
"	498	7222	088.74E	13 55 28					
"	498	7223	063.60E	15 34 48					
"	498	7224	038.45E	17 14 08					
"	498	7225	013.31E	18 53 28					
"	498	7226	011.83W	20 32 48					
"	498	7227	036.98W	22 12 08					
May 2, 1965	498	7228	062.13W	23 51 28	53.9	-8.5	352.0	-8.7	53.3
May 3, 1965	499	7229	087.28W	01 30 48	54.0	-8.5	352.0	-9.0	53.5

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
May 3, 1965	499	7230	112.42W	03 10 08					
"	499	7231	137.57W	04 49 28					
"	499	7232	162.72W	06 28 48					
"	499	7233	172.12E	08 08 08	54.4	-8.7	352.0	-10.1	54.3
"	499	7234	146.98E	09 47 28	54.5	-8.8	352.0	-10.4	54.5
"	499	7235	121.83E	11 26 48					
"	499	7236	096.68E	13 06 08					
"	499	7237	071.54E	14 45 28					
"	499	7238	046.39E	16 24 48					
"	499	7239	021.24E	18 04 08					
"	499	7240	003.89W	19 43 28					
"	499	7241	029.04W	21 22 48					
May 3, 1965	499	7242	054.19W	23 02 08	55.3	-9.1	351.9	-12.5	56.0
May 4, 1965	500	7243	079.50W	00 41 23					
"	500	7244	104.65W	02 20 42	55.5	-9.4	352.2	-13.0	56.2
			MAC SWITCH CHANGED FROM POSITION 9 TO 0						
"	500	7245	129.80W	04 00 02	55.6	-9.6	352.1	-13.0	56.3
"	500	7246	154.95W	05 39 22					
"	500	7247	179.90E	07 18 42					
"	500	7248	154.75E	08 58 02	55.7	-10.1	352.0	-13.0	56.6
"	500	7249	129.60E	10 37 22					
"	500	7250	104.46E	12 16 42					
"	500	7251	079.31E	13 56 02					
"	500	7252	054.16E	15 35 22					
"	500	7253	029.01E	17 14 42					
"	500	7254	003.86E	18 54 02					
"	500	7255	021.28W	20 33 22					
May 4, 1965	500	7256	046.42W	22 12 42					

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## TIROS VIII OPERATIONAL ALTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
May 4, 1965	500	7257	071.57W	23 52 02	56.0	-11.6	351.7	-12.9	57.4
May 5, 1965	501	7258	096.72W	01 31 22					
"	501	7259	121.87W	03 10 42	56.1	-11.9	351.7	-13.0	57.6
"	501	7260	147.01W	04 50 02					
"	501	7261	172.16W	06 29 22	56.1	-12.3	351.7	-13.0	57.8
"	501	7262	162.68E	08 08 42					
"	501	7263	137.54E	09 48 02					
"	501	7264	112.39E	11 27 22					
"	501	7265	087.24E	13 06 42					
"	501	7266	062.09E	14 46 02					
"	501	7267	036.94E	16 25 22					
"	501	7268	011.79E	18 04 42					
"	501	7269	013.34W	19 44 02					
"	501	7270	038.49W	21 23 21					
May 5, 1965	501	7271	063.64W	23 02 42	56.5	-14.0	351.4	-13.0	58.6
May 6, 1965	502	7272	088.78W	00 42 02	56.5	-14.2	351.4	-12.9	58.7
"	502	7273	113.93W	02 21 21	56.6	-14.3	351.3	-12.9	58.8
"	502	7274	139.08W	04 00 41					
"	502	7275	164.23W	05 40 01					
"	502	7276	170.61E	07 19 21					
"	502	7277	145.46E	08 58 41					
"	502	7278	120.32E	10 38 01					
"	502	7279	095.17E	12 17 21					
"	502	7280	070.02E	13 56 41					
"	502	7281	044.88E	15 36 01					
May 6, 1965	502	7282	019.73E	17 15 21					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
May 6, 1965	502	7283	005.41W	18 54 41					
"	502	7284	030.56W	20 34 01					
"	502	7285	055.71W	22 13 21					
May 6, 1965	502	7286	080.85W	23 52 41	57.0	-16.6	350.9	-12.7	59.9
May 7, 1965	503	7287	106.00W	01 32 01	57.0	-16.8	350.9	-12.7	60.0
"	503	7288	131.15W	03 11 21					
"	503	7289	156.30W	04 50 41					
"	503	7290	178.55E	06 30 01					
"	503	7291	153.40E	08 09 21					
"	503	7292	128.25E	09 48 41					
"	503	7293	103.10E	11 28 01					
"	503	7294	077.95E	13 07 21					
"	503	7295	052.80E	14 46 40					
"	503	7296	027.66E	16 26 00					
"	503	7297	002.51E	18 05 20					
"	503	7298	022.63W	19 44 40					
"	503	7299	047.77W	21 24 00					
May 7, 1965	503	7300	072.92W	23 03 20	57.4	-19.0	350.3	-12.3	61.2
May 8, 1965	504	7301	098.07W	00 42 40	57.6	-18.8	350.3	-12.8	61.5
"	504	MAC SWITCH CHANGED FROM POSITION 0 TO 8			57.7	-18.7	350.3	-13.4	61.8
"	504	MAC SWITCH CHANGED FROM POSITION 8 TO 11							
"	504	7303	148.37W	04 01 20					
"	504	7304	173.51W	05 40 40					
"	504	7305	161.33E	07 20 00	58.2	-18.2	350.4	-15.0	62.7
"	504	7306	136.18E	08 59 20	58.4	-18.0	350.5	-15.6	63.0
"	504	7307	111.04E	10 38 40					
May 8, 1965	504	7308	085.89E	12 18 00					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
May 8, 1965	504	7309	060.74E	13 57 20					
"	504	7310	035.59E	15 36 40					
"	504	7311	010.44E	17 16 00					
"	504	7312	014.69W	18 55 20					
"	504	7313	039.84W	20 34 40					
"	504	7314	064.99W	22 14 00					
May 8, 1965	504	7315	090.14W	23 53 20	60.0	-16.5	350.8	-20.5	65.8
May 9, 1965	505	7316	115.28W	01 32 40	60.1	-16.3	350.9	-21.1	66.1
"	505	7317	140.43W	03 12 00					
"	505	7318	165.58W	04 51 20					
"	505	7319	169.26E	06 30 40	60.7	-15.7	351.1	-22.8	67.0
"	505	7320	144.11E	08 10 00	60.8	-15.5	351.2	-23.4	67.3
"	505	7321	118.97E	09 49 20	61.0	-15.3	351.3	-24.0	67.6
"	505	7322	093.82E	11 28 40					
"	505	7323	068.67E	13 07 59					
"	505	7324	043.52E	14 47 19					
"	505	7325	018.37E	16 26 39					
"	505	7326	006.76W	18 05 59					
"	505	7327	031.91W	19 45 19					
"	505	7328	057.05W	21 24 39					
May 9, 1965	505	7329	082.20W	23 03 59	62.5	-13.7	352.0	-28.5	70.0
May 10, 1965	506	7330	107.35W	00 43 19	62.6	-13.5	352.2	-29.1	70.3
"	506	7331	132.50W	02 22 39					
"	506	7332	157.65W	04 01 59					
"	506	7333	177.20E	05 41 19					
May 10, 1965	506	7334	152.05E	07 20 39	63.3	-12.8	353.0	-31.2	71.2

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
May 10, 1965	506	7335	126.90E	08 59 59	63.5	-12.6	353.2	-31.8	71.5
"	506	7336	101.75E	10 39 19					
"	506	7337	076.60E	12 18 39					
"	506	7338	051.46E	13 57 59					
"	506	7339	026.31E	15 37 19					
"	506	7340	001.16E	17 16 39					
"	506	7341	023.97W	18 55 59					
"	506	7342	049.12W	20 35 19					
"	506	7343	074.27W	22 14 38					
May 10, 1965	506	7344	099.42W	23 53 58	65.1	-11.0	355.0	-36.6	73.6
May 11, 1965	507	7345	124.35W	01 33 21	65.3	-10.9	357.2	-37.1	72.2
"	507	7346	149.50W	03 12 41					
"	507	7347	174.65W	04 52 01					
"	507	7348	160.20E	06 31 21					
"	507	7349	135.05E	08 10 41					
"	507	7350	109.90E	09 50 01					
"	507	7351	084.76E	11 29 21					
"	507	7352	059.61E	13 08 41					
"	507	7353	034.46E	14 48 01					
"	507	7354	009.32E	16 27 21					
"	507	7355	015.82W	18 06 41	67.1	-9.5	358.9	-41.8	75.2
"	507	7356	040.97W	19 46 01					
"	507	7357	066.12W	21 25 21					
"	507	7358	091.27W	23 04 41					
May 11, 1965	507	7358	091.27W	23 04 41					
May 12, 1965	508	7359	116.41W	00 44 01					
May 12, 1965	508	7360	141.56W	02 23 21	68.0	-9.2	1.5	-43.5	75.3

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
May 12, 1965	508	7361	166.70W	04 02 41					
"	508	7362	168.14E	05 42 01					
"	508	7363	142.99E	07 21 21					
"	508	7364	117.84E	09 00 41					
"	508	7365	092.70E	10 40 01					
"	508	7366	067.55E	12 19 21					
"	508	7367	042.40E	13 58 41					
"	508	7368	017.26E	15 38 01					
"	508	7369	007.88W	17 17 21					
"	508	7370	033.03W	18 56 41					
"	508	7371	058.17W	20 36 01					
"	508	7372	083.32W	22 15 21					
May 12, 1965	508	7373	108.47W	23 54 40	70.4	-8.6	8.9	-47.5	75.2
May 13, 1965	509	7374	133.62W	01 34 00	70.6	-8.6	9.7	-47.7	75.1
"	509	7375	158.76W	03 13 20					
"	509	7376	176.08E	04 52 40					
"	509	7377	150.93E	06 32 00	71.2	-8.6	12.2	-48.2	74.7
"	509	7378	125.79E	08 11 20	71.5	-8.6	13.1	-48.3	74.5
"	509	7379	100.64E	09 50 40					
"	509	7380	075.49E	11 30 00					
"	509	7381	050.34E	13 09 20					
"	509	7382	025.19E	14 48 40					
"	509	7383	000.05E	16 28 00					
"	509	7384	025.09W	18 07 20					
"	509	7385	050.23W	19 46 40					
"	509	7386	075.38W	21 26 00					
May 13, 1965	509	7387	100.53W	23 05 20					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
May 14, 1965	510	7388	125.68W	00 44 40					
"	510	7389	150.82W	02 24 00	73.7	-8.5	22.3	-49.8	72.9
"	510	7390	175.97W	04 03 20					
"	510	7391	158.87E	05 42 40					
"	510	7392	133.73E	07 22 00					
"	510	7393	108.58E	09 01 20	74.5	-8.5	25.6	-49.7	72.1
"	510	7394	083.43E	10 40 40					
"	510	7395	058.29E	12 20 00					
"	510	7396	033.14E	13 59 20					
"	510	7397	007.99E	15 38 40					
"	510	7398	017.15W	17 18 00					
"	510	7399	042.29W	18 57 20	75.6	-8.4	30.7	-49.7	70.9
"	510	7400	067.44W	20 36 40					
"	510	7401	092.59W	22 16 00					
"	510	7402	117.73W	23 55 20					
May 14, 1965									
May 15, 1965	511	7403	142.88W	01 34 40	76.5	-8.4	34.0	-49.4	70.0
"	511	7404	168.03W	03 14 00					
"	511	7405	166.81E	04 53 20					
"	511	7406	141.67E	06 32 40					
"	511	7407	116.52E	08 12 00	77.2	-8.5	37.2	-48.7	68.9
"	511	7408	091.37E	09 51 19					
"	511	7409	066.23E	11 30 40					
"	511	7410	041.08E	13 10 00					
"	511	7411	015.93E	14 49 19					
"	511	7412	009.20W	16 28 40					
"	511	7413	034.35W	18 07 59	78.5	-8.6	42.0	-47.5	67.2
"	511	7414	059.50W	19 47 19					
May 15, 1965									

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	$t_0$ (Min AAN)	$n_0$ (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
May 15, 1965	511	7415	084.65W	21 26 39	78.9	-8.6	43.6	-47.1	66.6
May 15, 1965	511	7416	109.79W	23 05 59	79.1	-8.6	44.4	-46.9	66.3
May 16, 1965	512	7417	134.94W	00 45 19	79.1	-8.5	44.3	-46.9	66.4
"	512	7418	160.09W	02 24 39					
"	512	7419	174.76E	04 03 59					
"	512	7420	149.61E	05 43 19	79.1	-8.3	44.0	-47.1	66.6
"	512	7421	124.47E	07 22 39					
"	512	7422	099.32E	09 01 59					
"	512	7423	074.17E	10 41 19					
"	512	7424	049.02E	12 20 39					
"	512	7425	023.87E	13 59 59					
"	512	7426	001.26W	15 39 19					
"	512	7427	026.41W	17 18 39	79.3	-7.6	43.2	-47.5	67.4
"	512	7428	051.55W	18 57 59					
"	512	7429	076.70W	20 37 19					
"	512	7430	101.85W	22 16 39					
"	512	7431	127.00W	23 55 59					
May 16, 1965	513	7432	152.15W	01 35 19	79.4	-7.2	42.9	-47.7	67.7
May 17, 1965	513	7433	177.29W	03 14 39					
"	513	7434	157.55E	04 53 59					
"	513	7435	132.41E	06 33 19					
"	513	7436	107.26E	08 12 39	79.5	-6.8	42.4	-48.0	68.1
"	513	7437	082.11E	09 51 59					
"	513	7438	056.96E	11 31 19					
"	513	7439	031.82E	13 10 39					
"	513	7440	006.57E	14 49 59					
May 17, 1965	513	7441	018.47W	16 29 19					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
May 17, 1965	513	7442	043.62W	18 08 38	79.5	-6.3	41.7	-48.4	68.7
"	513	7443	068.76W	19 47 59					
"	513	7444	093.91W	21 27 19					
May 17, 1965	513	7445	119.06W	23 06 38					
May 18, 1965	514	7446	144.21W	00 45 56	79.6	-5.9	41.3	-48.6	69.1
"	514	7447	169.35W	02 25 16					
"	514	7448	165.49E	04 04 36	79.6	-5.7	41.1	-48.7	69.3
"	514	7449	140.35E	05 43 56					
"	514	7450	115.20E	07 23 16					
"	514	7451	090.05E	09 02 36					
"	514	7452	064.90E	10 41 56					
"	514	7453	039.76E	12 21 16					
"	514	7454	014.61E	14 00 36					
"	514	7455	010.53W	15 39 56					
"	514	7456	035.67W	17 19 16	79.8	-5.0	40.4	-49.1	70.0
"	514	7457	060.82W	13 58 36					
"	514	7458	085.97W	20 37 56	79.8	-4.9	40.2	-49.2	70.2
"	514	7459	111.11W	22 17 16					
May 18, 1965	514	7460	136.26W	23 56 36					
May 19, 1965	515	7461	161.41W	01 35 56	79.9	-4.6	39.9	-49.3	70.4
"	515	7462	173.43E	03 15 16	79.9	-4.5	39.8	-49.4	70.5
"	515	7463	148.29E	04 54 36	79.9	-4.4	39.7	-49.4	70.6
"	515	7464	123.14E	06 33 56					
"	515	7465	097.99E	08 13 16					
"	515	7466	072.85E	09 52 36					
"	515	7467	047.70E	11 31 55					
May 19, 1965	515	7468	022.55E	13 11 15					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	R.A.S.A (Deg)	DEC.SA (Deg)	GAMMA (Deg)	
May 19, 1965	515	7469	002.58W	14 50 35						
"	515	7470	027.73W	16 29 55						
"	515	7471	052.88W	18 09 15	80.1	-3.8	38.8	-49.9	71.4	
"	515	7472	078.02W	19 48 35	80.1	-3.7	38.7	-49.9	71.5	
"	515	7473	103.17W	21 27 55	80.1	-3.6	38.6	-50.0	71.6	
		MAC SWITCH CHANGED FROM POSITION 0 TO 8								
May 19, 1965	515	7474	128.32W	23 07 15						
May 20, 1965	516	7475	153.46W	00 46 35						
"	516	7476	178.61W	02 25 55	80.3	-3.3	39.2	-49.8	71.4	
"	516	7477	156.23E	04 05 15	80.4	-3.2	39.4	-49.8	71.3	
"	516	7478	131.08E	05 44 35	80.5	-3.1	39.6	-49.7	71.3	
"	516	7479	105.93E	07 23 55						
"	516	7480	080.79E	09 03 15						
"	516	7481	055.64E	10 42 35						
"	516	7482	030.49E	12 21 55						
"	516	7483	005.35E	14 01 15						
"	516	7484	019.79W	15 40 35						
"	516	7485	044.94W	17 19 55						
"	516	7486	070.08W	18 59 15						
"	516	7487	095.23W	20 38 35	81.1	-2.2	41.1	-49.3	70.9	
"	516	7488	120.38W	22 17 55						
"	516	7489	145.53W	23 57 15						
May 20, 1965	517	7490	170.67W	01 36 35	81.3	-2.4	41.2	-48.7	70.4	
"	517	7491	164.17E	03 15 55	81.4	-2.4	41.3	-48.6	70.3	
"	517	7492	139.03E	04 55 15						
"	517	7493	113.88E	06 34 34						
"	517	7494	088.73E	08 13 54						
May 21, 1965	517	7495	063.58E	09 53 14						

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
May 21, 1965	517	7496	038.44E	11 32 34					
"	517	7497	013.29E	13 11 54					
"	517	7498	011.84W	14 51 14					
"	517	7499	036.99W	16 30 34					
"	517	7500	062.14W	18 09 54	82.1	-1.8	42.6	-47.7	69.4
"	517	7501	087.29W	19 49 14	82.1	-1.7	42.7	-47.6	69.4
"	517	7502	112.44W	21 28 34					
May 21, 1965	517	7503	137.58W	23 07 54					
May 22, 1965	518	7504	162.72W	00 47 14	82.2	-0.9	42.9	-48.2	70.0
"	518	7505	172.12E	02 26 34	82.2	-0.8	43.0	-48.1	69.9
"	518	7506	146.97E	04 05 54	82.3	-0.8	43.1	-48.0	69.8
"	518	7507	121.82E	05 45 14	82.4	-0.7	43.2	-47.9	69.7
"	518	7508	096.67E	07 24 34					
"	518	7509	071.53E	09 03 54					
"	518	7510	046.38E	10 43 14					
"	518	7511	021.24E	12 22 34					
"	518	7512	003.90W	14 01 54					
"	518	7513	029.05W	15 41 14					
"	518	7514	054.20W	17 20 33	82.8	-0.1	44.0	-47.3	69.1
"	518	7515	079.35W	18 59 53	82.9	-0.0	44.2	-47.2	69.0
"	518	7516	104.49W	20 39 13	83.0	0.0	44.3	-47.1	69.0
"	518	7517	129.64W	22 18 33					
May 22, 1965	518	7518	154.78W	23 57 53					
May 23, 1965	519	7519	179.93W	01 37 13	83.2	0.3	44.6	-46.8	68.7
"	519	7520	154.91E	03 16 33	83.3	0.4	44.7	-46.7	68.6
May 23, 1965	519	7521	129.76E	04 55 53					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
May 23, 1965	519	7522	104.62E	06 35 13					
"	519	7523	079.47E	08 14 33					
"	519	7524	054.33E	09 53 53					
"	519	7525	029.18E	11 33 13					
"	519	7526	004.03E	13 12 33					
"	519	7527	021.11W	14 51 53					
"	519	7528	046.26W	16 31 13					
"	519	7529	071.40W	18 10 33	83.9	1.2	45.7	-45.9	67.8
"	519	7530	096.55W	19 49 53	84.0	1.3	45.8	-45.8	67.7
"	519	7531	121.69W	21 29 13					
May 23, 1965	519	7532	146.84W	23 08 33					
May 24, 1965	520	7533	171.99W	00 47 53	84.2	1.6	46.1	-45.4	67.4
"	520	7534	162.85E	02 27 13					
"	520	7535	137.71E	04 06 32					
"	520	7536	112.56E	05 45 53					
"	520	7537	087.42E	07 25 13					
"	520	7538	062.27E	09 04 32					
"	520	7539	037.12E	10 43 52					
"	520	7540	011.97E	12 23 12					
"	520	7541	013.17W	14 02 32					
"	520	7542	038.31W	15 41 52	84.9	2.4	47.1	-44.1	66.2
"	520	7543	063.46W	17 21 12	85.0	2.5	47.2	-44.0	66.1
"	520	7544	088.61W	19 00 32					
"	520	7545	113.75W	20 39 52					
"	520	7546	138.90W	22 19 12	85.2	2.7	47.5	-43.6	65.7
May 24, 1965	520	7547	164.05W	23 58 32					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
May 25, 1965	521	7548	170.77E	01 37 54	85.3	2.8	47.5	-43.4	65.6
"	521	7549	145.62E	03 17 14	85.3	2.9	47.6	-43.3	65.5
"	521	7550	120.48E	04 56 34	85.4	3.0	47.7	-43.2	65.4
"	521	7551	095.33E	06 35 54					
"	521	7552	070.18E	08 15 14					
"	521	7553	045.03E	09 54 34					
"	521	7554	019.89E	11 33 53					
"	521	7555	005.25W	13 13 13					
"	521	7556	030.40W	14 52 33					
"	521	7557	055.54W	16 31 53	85.9	3.6	48.3	-42.2	64.5
"	521	7558	080.69W	18 11 13	86.0	3.7	48.4	-42.1	64.4
"	521	7559	105.84W	19 50 33	86.0	3.8	48.4	-42.0	64.3
"	521	7560	130.98W	21 29 53					
May 25, 1965	521	7561	156.13W	23 09 13					
May 26, 1965	522	7562	178.71E	00 48 33	86.3	4.1	48.6	-41.5	63.9
"	522	7563	153.57E	02 27 53	86.3	4.2	48.7	-41.4	63.8
"	522	7564	128.42E	04 07 13					
"	522	7565	103.27E	05 46 33					
"	522	7566	078.13E	07 25 53					
"	522	7567	052.98E	09 05 13					
"	522	7568	027.83E	10 44 33					
"	522	7569	002.68E	12 23 53					
"	522	7570	022.46W	14 03 13					
"	522	7571	047.60W	15 42 33	86.9	4.9	49.0	-40.3	62.9
"	522	7572	072.75W	17 21 53					
"	522	7573	097.89W	19 01 13	87.0	5.0	49.1	-40.1	62.7
May 26, 1965	522	7574	123.04W	20 40 33					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
May 26, 1965	522	7575	148.19W	22 19 53					
"	522	7576	173.33W	23 59 13					
May 27, 1965	523	7577	161.51E	01 38 33					
"	523	7578	136.36E	03 17 53					
"	523	7579	111.21E	04 57 13					
"	523	7580	086.07E	06 36 33					
"	523	7581	060.92E	08 15 53					
"	523	7582	035.77E	09 55 13					
"	523	7583	010.62E	11 34 32					
"	523	7584	014.51W	13 13 52					
"	523	7585	039.66W	14 53 12	87.9	6.1	49.7	-38.0	60.9
"	523	7586	064.81W	16 32 32					
"	523	7587	089.95W	18 11 52	88.0	6.2	49.8	-37.7	60.6
"	523	7588	115.10W	19 51 12					
"	523	7589	140.25W	21 30 32					
May 27, 1965	523	7590	165.39W	23 09 52	88.3	6.5	49.9	-37.2	60.2
May 28, 1965	524	7591	169.45E	00 49 12	88.3	6.6	50.0	-37.0	60.0
"	524	7592	144.30E	02 28 32	88.4	6.6	50.0	-36.8	59.8
"	524	7593	119.15E	04 07 52					
"	524	7594	094.01E	05 47 12					
"	524	7595	068.86E	07 26 32					
"	524	7596	043.71E	09 05 52					
"	524	7597	018.56E	10 45 12					
"	524	7598	006.57W	12 24 32					
May 28, 1965	524	7599	031.72W	14 03 52	89.0	7.2	50.3	-35.3	58.5

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
May 28, 1965	524	7600	056.87W	15 43 12					
"	524	7601	082.01W	17 22 32	89.2	7.3	50.3	-34.9	58.2
"	524	7602	107.16W	19 01 52	89.3	7.4	50.4	-34.7	58.0
"	524	7603	132.30W	20 41 12					
"	524	7604	157.45W	22 20 32					
May 28, 1965	524	7605	177.39E	23 59 52	89.5	7.6	50.5	-34.1	57.4
May 29, 1965	525	7606	152.24E	01 39 12	89.5	7.7	50.2	-34.3	57.8
"	525	7607	127.10E	03 18 32					
"	525	7608	101.95E	04 57 52					
"	525	7609	076.80E	06 37 12					
"	525	7610	051.66E	08 16 31					
"	525	7611	026.51E	09 55 51					
"	525	7612	001.36E	11 35 11					
"	525	7613	023.78W	13 14 31	90.0	8.3	50.3	-33.2	56.9
"	525	7614	048.92W	14 53 51					
"	525	7615	074.07W	16 33 11					
"	525	7616	099.22W	18 12 31	90.2	8.6	50.3	-32.7	56.5
"	525	7617	124.36W	19 51 51					
"	525	7618	149.51W	21 31 11					
May 29, 1965	525	7619	174.65W	23 10 31	90.4	8.9	50.3	-32.2	56.1
May 30, 1965	526	7620	160.19E	00 49 51	90.5	9.0	50.3	-32.0	55.9
"	526	7621	135.04E	02 29 11	90.5	9.1	50.3	-31.8	55.8
"	526	7622	109.89E	04 08 31	90.6	9.1	50.3	-31.6	55.7
"	526	7623	084.75E	05 47 51					
"	526	7624	059.60E	07 27 11					
"	526	7625	034.45E	09 06 31					
May 30, 1965	526	7626	009.31E	10 45 51					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
May 30, 1965	526	7627	015.83W	12 25 11					
"	526	7628	040.98W	14 04 31	91.0	9.6	50.2	-30.6	54.9
"	526	7629	066.13W	15 43 51					
"	526	7630	091.28W	17 23 11	91.2	9.8	50.2	-30.2	54.6
"	526	7631	116.42W	19 02 31					
"	526	7632	141.57W	20 41 51					
May 30, 1965	526	7633	166.71W	22 21 11	91.4	10.0	50.1	-29.7	54.2
May 31, 1965	527	7634	168.13E	00 00 30	91.5	10.1	50.1	-29.5	54.1
"	527	7635	142.98E	01 39 50	91.5	10.2	50.1	-29.3	53.9
"	527	7636	117.83E	03 19 10					
"	527	7637	092.69E	04 58 30					
"	527	7638	067.54E	06 37 50					
"	527	7639	042.39E	08 17 10					
"	527	7640	017.25E	09 56 30					
"	527	7641	007.89W	11 35 50					
"	527	7642	033.04W	13 15 10					
"	527	7643	058.19W	14 54 30	92.1	10.9	50.0	-27.9	52.9
"	527	7644	083.33W	16 33 50	92.2	11.0	50.0	-27.8	52.8
"	527	7645	108.48W	18 13 10					
"	527	7646	133.62W	19 52 30					
"	527	7647	158.77W	21 31 50	92.4	11.2	49.9	-27.2	52.4
May 31, 1965	527	7648	176.07E	23 11 10					
June 1, 1965	528	7649	150.91E	00 50 28	92.5	11.4	49.9	-26.9	52.2
"	528	7650	125.77E	02 29 48	92.6	11.5	49.8	-26.7	52.1
"	528	7651	100.62E	04 09 08					
"	528	7652	075.47E	05 48 28					
June 1, 1965	528	7653	050.33E	07 27 48					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
June 1, 1965	528	7654	025.18E	09 07 08					
"	528	7655	000.03E	10 46 28					
"	528	7656	025.10W	12 25 48					
"	528	7657	050.25W	14 05 08	93.1	12.1	49.7	-25.5	51.2
"	528	7658	075.40W	15 44 28					
"	528	7659	100.54W	17 23 48	93.2	12.2	49.6	-25.1	51.0
"	528	7660	125.69W	19 03 08					
"	528	7661	150.84W	20 42 27					
June 1, 1965	528	7662	175.99W	22 21 47	93.5	12.5	49.5	-24.6	50.6
June 2, 1965	529	7663	158.86E	00 01 07	93.5	12.6	49.5	-24.4	50.5
"	529	7664	133.71E	01 40 27	93.6	12.7	49.5	-24.3	50.4
"	529	7665	108.56E	03 19 47					
"	529	7666	083.42E	04 59 07					
"	529	7667	058.27E	06 38 27					
"	529	7668	033.12E	08 17 47					
"	529	7669	007.98E	09 57 07					
"	529	7670	017.16W	11 36 27					
"	529	7671	042.31W	13 15 47	94.0	13.4	49.2	-23.2	49.8
"	529	7672	067.45W	14 55 07					
"	529	7673	092.60W	16 34 27	94.1	13.6	49.2	-22.9	49.7
"	529	7674	117.75W	18 13 47					
"	529	7675	142.90W	19 53 07					
"	529	7676	168.04W	21 32 27	94.3	13.9	49.1	-22.5	49.4
June 2, 1965	529	7677	166.80E	23 11 47					
June 3, 1965	530	7678	141.65E	00 51 07	94.5	14.1	49.0	-22.2	49.3
"	530	7679	116.51E	02 30 27					
June 3, 1965	530	7680	091.36E	04 09 47					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
June 3, 1965	530	7681	066.21E	05 49 06					
"	530	7682	041.07E	07 28 26					
"	530	7683	015.92E	09 07 46					
"	530	7684	009.22W	10 47 06					
"	530	7685	034.36W	12 26 26	94.9	14.8	48.8	-21.1	48.6
"	530	7686	059.51W	14 05 46					
"	530	7687	084.66W	15 45 06					
"	530	7688	109.80W	17 24 26					
"	530	7689	134.95W	19 03 46					
"	530	7690	160.10W	20 43 06	95.3	15.3	48.6	-20.3	48.2
June 3, 1965	530	7691	174.74E	22 22 26					
June 4, 1965	531	7692	149.60E	00 01 46	95.4	15.5	48.6	-20.0	48.0
"	531	7693	124.45E	01 41 06	95.5	15.6	48.5	-19.8	47.9
"	531	7694	099.30E	03 20 26					
"	531	7695	074.16E	04 59 46					
"	531	7696	049.01E	06 39 06					
"	531	7697	023.86E	08 18 26					
"	531	7698	001.27W	09 57 46					
"	531	7699	026.42W	11 37 06	95.9	16.1	48.3	-18.8	47.4
"	531	7700	051.57W	13 16 25					
"	531	7701	076.72W	14 55 45					
"	531	7702	101.86W	16 35 05	96.1	16.4	48.1	-18.3	47.2
"	531	7703	127.01W	18 14 25					
"	531	7704	152.16W	19 53 45					
"	531	7705	177.30W	21 33 05	96.3	16.6	48.0	-17.8	47.0
"	531	7706	157.54E	23 12 25	96.4	16.7	47.9	-17.6	46.9
June 4, 1965	531	7706	157.54E	23 12 25					
June 5, 1965	532	7707	132.40E	00 51 45	96.6	16.5	47.9	-16.8	46.3

MAC SWITCH CHANGED FROM POSITION 8 TO 11

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
June 5, 1965	532	7708	107.25E	02 31 05					
"	532	7709	082.10E	04 10 25					
"	532	7710	056.95E	05 49 45					
"	532	7711	031.81E	07 29 05					
"	532	7712	006.66E	09 08 25					
"	532	7713	018.48W	10 47 45					
"	532	7714	043.62W	12 27 05	98.3	15.4	48.1	-11.4	42.1
"	532	7715	068.77W	14 06 25					
"	532	7716	093.92W	15 45 45	98.6	15.1	48.1	-9.9	40.9
"	532	7717	119.06W	17 25 05					
"	532	7718	144.21W	19 04 25					
"	532	7719	169.36W	20 43 44	0.0	14.7	48.2	-7.5	39.1
June 5, 1965	532	7720	165.48E	22 23 04	0.3	14.5	48.2	-6.8	38.5
June 6, 1965	533	7721	140.34E	00 02 24	0.5	14.4	48.3	-5.9	37.9
"	533	7722	115.19E	01 41 44	0.7	14.2	48.4	-5.1	37.3
"	533	7723	090.04E	03 21 04	1.0	14.1	48.5	-4.3	36.6
MAC SWITCH CHANGED FROM POSITION 11 TO 0									
"	533	7724	064.90E	05 00 24					
"	533	7725	039.75E	06 39 44					
"	533	7726	014.60E	08 19 04					
"	533	7727	010.53W	09 58 24					
"	533	7728	035.68W	11 37 44	1.2	15.1	48.6	-4.1	36.7
"	533	7729	060.83W	13 17 04					
"	533	7730	085.98W	14 56 24	1.3	15.5	48.6	-4.1	36.8
"	533	7731	111.12W	16 35 44					
"	533	7732	136.27W	18 15 04					
June 6, 1965	533	7733	161.42W	19 54 24	1.5	16.1	48.6	-3.9	36.8

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
June 6, 1965	533	7734	173.43E	21 33 44	1.5	16.3	48.6	-3.9	36.8
June 6, 1965	533	7735	148.28E	23 13 04					
June 7, 1965	534	7736	123.13E	00 52 23	1.6	16.7	48.7	-3.9	36.9
"	534	7737	097.99E	02 31 43					
"	534	7738	072.84E	04 11 03					
"	534	7739	047.69E	05 50 23					
"	534	7740	122.55E	07 29 43					
"	534	7741	002.59W	09 09 03					
"	534	7742	027.74W	10 48 23	1.9	17.9	48.7	-3.7	37.1
"	534	7743	052.88W	12 27 43					
"	534	7744	078.03W	14 07 03	2.0	18.4	48.8	-3.7	37.1
"	534	7745	103.18W	15 46 23					
"	534	7746	128.33W	17 25 43					
"	534	7747	153.47W	19 05 03	2.1	19.0	48.8	-3.6	37.2
"	534	7748	178.62W	20 44 23					
June 7, 1965	534	7749	156.23E	22 23 43	2.2	19.4	48.8	-3.6	37.3
June 8, 1965	535	7750	131.06E	00 03 03	2.2	19.6	48.8	-3.5	37.3
"	535	7751	105.91E	01 42 23	2.3	19.8	48.9	-3.5	37.3
"	535	7752	080.77E	03 21 43					
"	535	7753	055.62E	05 01 03					
"	535	7754	030.47E	06 40 23					
"	535	7755	005.33E	08 19 43					
"	535	7756	019.81W	09 59 03	2.6	21.1	48.9	-3.4	37.5
"	535	7757	044.96W	11 38 23					
"	535	7758	070.10W	13 17 43					
"	535	7759	095.25W	14 57 02	2.6	21.5	49.0	-3.3	37.5
June 8, 1965	535	7760	120.40W	16 36 22					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
June 8, 1965	535	7761	145.54W	18 15 42					
"	535	7762	170.69W	19 55 02					
"	535	7763	164.15E	21 34 22	2.8	22.3	49.0	-3.2	37.6
June 8, 1965	535	7764	139.01E	23 13 42					
June 9, 1965	536	7765	113.86E	00 53 02	2.9	22.7	49.1	-3.2	37.7
"	536	7766	088.71E	02 32 22	3.0	22.9	49.1	-3.2	37.7
"	536	7767	063.56E	04 11 42					
"	536	7768	038.42E	05 51 02					
"	536	7769	013.27E	07 30 22					
"	536	7770	011.87W	09 09 42					
"	536	7771	037.01W	10 49 02					
"	536	7772	062.16W	12 28 22	3.2	24.2	49.1	-3.1	37.9
"	536	7773	087.31W	14 07 42	3.3	24.4	49.1	-3.1	38.0
"	536	7774	112.46W	15 47 02					
"	536	7775	137.60W	17 26 22					
"	536	7776	162.75W	19 05 42					
"	536	7777	172.09E	20 45 01	3.5	25.2	49.2	-3.0	38.1
June 9, 1965	536	7778	146.95E	22 24 21					
June 10, 1965	537	7779	121.80E	00 03 41	3.6	25.5	49.2	-3.0	38.2
"	537	7780	096.65E	01 43 01	3.6	25.7	49.1	-2.9	38.3
"	537	7781	071.51E	03 22 21					
"	537	7782	046.36E	05 01 41					
"	537	7783	021.21E	06 41 01					
"	537	7784	003.92W	08 20 21					
"	537	7785	029.07W	09 59 41					
"	537	7786	054.22W	11 39 01	3.9	26.5	48.8	-2.7	38.7
June 10, 1965	537	7787	079.36W	13 18 21	3.9	26.7	48.8	-2.7	38.7

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
June 10, 1965	537	7788	104.51W	14 57 41	4.0	26.8	48.7	-2.6	38.8
"	537	7789	129.66W	16 37 01					
"	537	7790	154.80W	18 16 21					
"	537	7791	179.95W	19 55 41	4.1	27.2	48.6	-2.5	39.0
"	537	7792	154.89E	21 35 00					
June 10, 1965	537	7793	129.75E	23 14 21	4.2	27.5	48.5	-2.4	39.1
June 11, 1965	538	7794	104.60E	00 53 40	4.2	27.8	48.5	-2.4	39.1
"	538	7795	079.45E	02 33 00					
"	538	7796	054.30E	04 12 20					
"	538	7797	029.16E	05 51 40					
"	538	7798	004.01E	07 31 00					
"	538	7799	021.12W	09 10 20					
"	538	7800	046.27W	10 49 40					
"	538	7801	071.42W	12 29 00	4.6	29.8	49.1	-2.7	39.3
"	538	7802	096.57W	14 08 20	4.6	30.1	49.2	-2.7	39.3
"	538	7803	121.71W	15 47 40					
"	538	7804	146.86W	17 27 00					
"	538	7805	172.01W	19 06 20	4.8	30.9	49.4	-2.8	39.4
"	538	7806	162.84E	20 45 40					
June 11, 1965	538	7807	137.69E	22 25 00	4.9	31.5	49.6	-2.9	39.4
June 12, 1965	539	7808	112.54E	00 04 20	4.9	31.7	49.6	-2.9	39.5
"	539	7809	087.40E	01 43 40	5.0	31.9	49.6	-2.9	39.6
"	539	7810	062.25E	03 22 59					
"	539	7811	037.10E	05 02 19					
"	539	7812	011.95E	06 41 39					
"	539	7813	013.18W	08 20 59					
June 12, 1965	539	7814	038.33W	10 00 19					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
June 12, 1965	539	7815	063.47W	11 39 39	5.2	33.1	49.5	-3.0	40.0
"	539	7816	088.62W	13 18 59					
"	539	7817	113.77W	14 58 19	5.3	33.5	49.5	-3.0	40.1
"	539	7818	138.92W	16 37 39					
"	539	7819	164.06W	18 16 59	5.4	33.9	49.5	-3.0	40.2
"	539	7820	170.78E	19 56 19					
"	539	7821	145.64E	21 35 39	5.5	34.3	49.5	-3.1	40.4
			MAC SWITCH CHANGED FROM POSITION 0 TO 11						
June 12, 1965	539	7822	120.48E	23 14 59					
June 13, 1965	540	7823	095.34E	00 54 19	5.9	33.8	49.3	-1.8	39.8
"	540	7824	070.19E	02 33 39					
"	540	7825	045.05E	04 12 59					
"	540	7826	019.90E	05 52 19					
"	540	7827	005.24W	07 31 38					
"	540	7828	030.39W	09 10 58					
"	540	7829	055.53W	10 50 18	7.1	31.9	48.9	2.4	38.1
"	540	7830	080.68W	12 29 38	7.3	31.6	48.8	3.1	37.8
"	540	7831	105.83W	14 08 58					
"	540	7832	130.97W	15 48 18	7.8	31.0	48.7	4.4	37.2
"	540	7833	156.12W	17 27 38					
"	540	7834	178.72E	19 06 58	8.2	30.3	48.5	5.8	36.6
"	540	7835	153.58E	20 46 18					
June 13, 1965	540	7836	128.43E	22 25 38	8.6	29.7	48.4	7.2	36.1
June 14, 1965	541	7837	103.28E	00 04 58	8.8	29.4	48.4	7.9	35.8
"	541	7838	078.14E	01 44 18	9.0	29.1	48.4	8.6	35.6
"	541	7839	052.99E	03 23 38					
June 14, 1965	541	7840	027.84E	05 02 58					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	LONGITUDE (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)	
June 14, 1965	541	7841	002.70E	06 42 18						
"	541	7842	022.44W	08 21 38						
"	541	7843	047.59W	10 00 57						
"	541	7844	072.73W	11 40 17	10.3	27.2	48.6	12.8	34.2	
"	541	7845	097.88W	13 19 37	10.5	26.9	48.6	13.5	34.0	
"	541	7846	123.03W	14 58 57						
"	541	7847	148.17W	16 38 17						
"	541	7848	173.32W	18 17 37	11.1	25.9	48.7	15.6	33.3	
"	541	7849	161.52E	19 56 57						
"	541	7850	136.37E	21 36 17	11.5	25.3	48.8	17.0	32.8	
June 14, 1965	541	7851	111.23E	23 15 37	11.7	25.0	48.8	17.7	32.5	
June 15, 1965	542	7852	086.08E	00 54 57	12.1	24.7	49.3	18.6	32.0	
"	542	7853	060.93E	02 34 17						
"	542	7854	035.79E	04 13 37						
"	542	7855	010.64E	05 52 57						
"	542	7856	014.50W	07 32 17						
"	542	7857	039.65W	09 11 37						
"	542	7858	064.79W	10 50 57	14.1	22.8	52.3	24.2	28.7	
"	542	7859	089.94W	12 30 16	14.4	22.5	52.8	25.2	28.2	
			MAC SWITCH CHANGED FROM POSITION 11 TO 1							
"	542	7860	115.08W	14 09 36						
"	542	7861	140.23W	15 48 56						
"	542	7862	165.38W	17 28 16	13.6	22.9	49.8	23.2	31.2	
"	542	7863	169.46E	19 07 36						
"	542	7864	144.32E	20 46 56	13.7	23.2	49.8	23.1	31.3	
June 15, 1965	542	7865	119.17E	22 26 16	13.7	23.4	49.9	23.1	31.4	
June 16, 1965	543	7866	094.02E	00 05 36	13.8	23.5	49.9	23.1	31.4	

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
June 16, 1965	543	7867	068.88E	01 44 56					
"	543	7868	043.73E	03 24 16					
"	543	7869	018.58E	05 03 36					
"	543	7870	006.55W	06 42 56					
"	543	7871	031.70W	08 22 16					
"	543	7872	056.85W	10 01 36	14.3	24.4	50.3	23.3	31.4
"	543	7873	081.99W	11 40 56	14.3	24.5	50.3	23.3	31.4
"	543	7874	107.14W	13 20 15	14.4	24.7	50.4	23.3	31.5
"	543	7875	132.29W	14 59 35					
"	543	7876	157.43W	16 38 55					
"	543	7877	177.41E	18 18 15	14.6	25.1	50.6	23.4	31.5
"	543	7878	152.26E	19 57 35					
"	543	7879	127.12E	21 26 55	14.8	25.4	50.7	23.5	31.5
June 16, 1965	543	7880	101.97E	23 16 15	14.9	25.5	50.8	23.5	31.5
June 17, 1965	544	7881	076.82E	00 55 35	14.9	25.6	50.8	23.5	31.5
"	544	7882	051.68E	02 34 55					
"	544	7883	026.53E	04 14 15					
"	544	7884	001.38E	05 53 35					
"	544	7885	023.76W	07 32 55					
"	544	7886	048.90W	09 12 15					
"	544	7887	074.05W	10 51 35	15.3	26.5	51.1	23.5	31.7
"	544	7888	099.20W	12 30 55					
"	544	7889	124.35W	14 10 14					
"	544	7890	149.49W	15 49 34					
"	544	7891	174.64W	17 28 54	15.6	27.1	51.2	23.4	31.8
"	544	7892	160.21E	19 08 14					
June 17, 1965	544	7893	135.06E	20 47 34					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	LONGITUDE (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
June 17, 1965	544	7894	109.91E	22 26 54	15.8	27.5	51.4	23.4	31.8
June 18, 1965	545	7895	084.77E	00 06 14					
"	545	7896	059.62E	01 45 34					
"	545	7897	034.47E	03 24 54					
"	545	7898	009.33E	05 04 14					
"	545	7899	015.81W	06 43 34					
"	545	7900	040.96W	08 22 54					
"	545	7901	066.11W	10 02 14					
"	545	7902	091.25W	11 41 34	16.3	28.4	51.5	23.4	32.3
"	545	7903	116.40W	13 20 54					
"	545	7904	141.55W	15 00 14					
"	545	7905	166.69W	16 39 33					
"	545	7906	168.15E	18 18 53					
"	545	7907	143.01E	19 58 13					
"	545	7908	117.86E	21 37 33	16.7	29.1	51.6	23.4	32.6
June 18, 1965	545	7909	092.71E	23 16 53					
June 19, 1965	546	7910	067.56E	00 56 13					
"	546	7911	042.42E	02 35 33					
"	546	7912	017.27E	04 14 53					
"	546	7913	007.87W	05 54 13					
"	546	7914	033.02W	07 33 33					
"	546	7915	058.16W	09 12 53	17.2	30.5	52.0	22.8	32.7
"	546	7916	083.31W	10 52 13	17.3	30.6	52.1	22.8	32.7
"	546	7917	108.46W	12 31 33					
"	546	7918	133.60W	14 10 53					
"	546	7919	158.75W	15 50 12					
June 19, 1965	546	7920	176.10E	17 29 32					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
June 19, 1965	546	7921	150.95E	19 08 52					
"	546	7922	125.80E	20 48 12	17.7	31.5	52.3	22.6	32.9
June 19, 1965	546	7923	100.66E	22 27 32					
June 20, 1965	547	7924	075.51E	00 06 52					
"	547	7925	050.36E	01 46 12					
"	547	7926	025.21E	03 25 32					
"	547	7927	000.07E	05 04 52					
"	547	7928	025.07W	06 44 12					
"	547	7929	050.22W	08 23 32					
"	547	7930	075.37W	10 02 52	18.3	32.7	52.6	22.1	33.3
"	547	7931	100.51W	11 42 12	18.4	32.9	52.6	22.0	33.4
"	547	7932	125.66W	13 21 32					
"	547	7933	150.80W	15 00 52					
"	547	7934	175.95W	16 40 12					
"	547	7935	158.89E	18 19 31					
"	547	7936	133.75E	19 58 51					
"	547	7937	108.60E	21 38 11					
June 20, 1965	547	7938	083.45E	23 17 31	18.9	34.0	52.8	21.5	33.7
MAC SWITCH CHANGED FROM POSITION 1 TO 0									
June 21, 1965	548	7939	058.30E	00 56 51	19.0	34.0	52.9	21.5	33.7
"	548	7940	033.16E	02 36 11					
"	548	7941	008.01E	04 15 31					
"	548	7942	017.13W	05 54 51					
"	548	7943	042.27W	07 34 11					
"	548	7944	067.42W	09 13 31	19.4	34.2	53.1	21.8	33.8
"	548	7945	092.57W	10 52 51	19.5	34.2	53.1	21.8	33.8
"	548	7946	117.72W	12 32 11					
June 21, 1965	548	7947	142.86W	14 11 31					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
June 21, 1965	548	7948	168.01W	15 50 51					
"	548	7949	166.84E	17 30 10					
"	548	7950	141.69E	19 09 30	19.9	34.4	53.3	22.1	33.9
"	548	7951	116.54E	20 48 50					
June 21, 1965	548	7952	091.40E	22 28 10					
June 22, 1965	549	7953	066.21E	00 07 33					
"	549	7954	041.06E	01 46 53					
"	549	7955	015.91E	03 26 13					
"	549	7956	009.23W	05 05 33					
"	549	7957	034.37W	06 44 53					
"	549	7958	059.52W	08 24 13	20.7	34.7	53.8	22.3	34.0
"	549	7959	084.67W	10 03 32					
"	549	7960	109.81W	11 42 53					
"	549	7961	134.96W	13 22 12	21.0	34.9	54.1	22.4	33.9
"	549	7962	160.11W	15 01 32					
"	549	7963	174.73E	16 40 52					
"	549	7964	149.59E	18 21 12	21.3	35.0	54.3	22.5	33.9
"	549	7965	124.44E	19 59 32					
"	549	7966	099.29E	21 38 52					
"	549	7967	074.15E	23 18 12					
June 22, 1965	549	7967	074.15E	23 18 12					
June 23, 1965	550	7968	049.00E	00 57 32					
"	550	7969	023.85E	02 36 52					
"	550	7970	001.28W	04 16 12					
"	550	7971	026.43W	05 55 32					
"	550	7972	051.58W	07 34 52					
"	550	7973	076.73W	09 14 12					
June 23, 1965	550	7974	101.87W	10 53 32					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
June 23, 1965	550	7975	127.02W	12 32 52	22.3	35.5	55.0	22.5	34.0
"	550	7976	152.16W	14 12 12					
"	550	7977	177.31W	15 51 31					
"	550	7978	157.53E	17 30 51					
"	550	7979	132.38E	19 10 11	22.7	35.7	55.2	22.4	34.0
"	550	7980	107.24E	20 49 31					
June 23, 1965	550	7981	082.09E	22 28 51					
June 24, 1965	551	7982	056.94E	00 08 11					
"	551	7983	031.80E	01 47 31					
"	551	7984	006.65E	03 26 51					
"	551	7985	018.49W	05 06 11					
"	551	7986	043.63W	06 45 31					
"	551	7987	068.78W	08 24 51					
"	551	7988	093.93W	10 04 11					
"	551	7989	119.07W	11 43 31					
"	551	7990	144.22W	13 22 51					
"	551	7991	169.37W	15 02 11					
"	551	7992	165.48E	16 41 31					
"	551	7993	140.33E	18 20 51	23.9	36.4	55.7	22.1	34.6
"	551	7994	115.18E	20 00 10					
"	551	7995	090.03E	21 39 30					
June 24, 1965	551	7996	064.89E	23 18 50					
June 25, 1965	552	7997	039.74E	00 58 10					
"	552	7998	014.59E	02 37 30					
"	552	7999	010.54W	04 16 50					
June 25, 1965	552	8000	035.69W	05 56 10					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
June 25, 1965	552	8001	060.84W	07 35 30					
"	552	8002	085.98W	09 14 50	24.8	36.7	56.2	21.7	34.8
"	552	8003	111.13W	10 54 10					
"	552	8004	136.28W	12 33 30					
"	552	8005	161.42W	14 12 50					
"	552	8006	173.42E	15 52 10					
"	552	8007	148.27E	17 31 30					
"	552	8008	123.12E	19 10 50	25.4	37.0	56.5	21.5	34.9
		MAC SWITCH CHANGED FROM POSITION 0 TO 8							
"	552	8009	097.98E	20 50 11					
June 25, 1965	552	8010	072.83E	22 29 30					
June 26, 1965	553	8011	047.69E	00 08 49					
"	553	8012	022.54E	01 48 09					
"	553	8013	002.60W	03 27 29					
"	553	8014	027.75W	05 06 49					
"	553	8015	052.89W	06 46 09					
"	553	8016	078.04W	08 25 29	26.2	36.5	57.3	21.7	34.7
"	553	8017	103.19W	10 04 49					
"	553	8018	128.33W	11 44 09	26.4	36.4	57.5	21.8	34.7
"	553	8019	153.48W	13 23 29					
"	553	8020	178.63W	15 02 49					
"	553	8021	156.22E	16 42 09					
"	553	8022	131.07E	18 21 29					
"	553	8023	105.92E	20 00 49					
"	553	8024	080.77E	21 40 09					
June 26, 1965	553	8025	055.63E	23 19 29					
June 27, 1965	554	8026	030.48E	00 58 49					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
June 27, 1965	554	8027	005.33E	02 38 08					
"	554	8028	019.80W	04 17 28					
"	554	8029	044.95W	05 56 48					
"	554	8030	070.10W	07 36 08					
"	554	8031	095.24W	09 15 28					
"	554	8032	120.39W	10 54 48	28.0	35.7	59.0	21.8	34.2
"	554	8033	145.54W	12 34 08					
"	554	8034	170.68W	14 13 28					
"	554	8035	164.16E	15 52 48					
"	554	8036	139.01E	17 32 08					
"	554	8037	113.87E	19 11 28					
"	554	8038	088.72E	20 50 48	28.5	35.5	59.6	21.7	34.0
June 27, 1965	554	8039	063.57E	22 30 08					
June 28, 1965	555	8040	038.43E	00 09 28					
"	555	8041	113.28E	01 48 48					
"	555	8042	011.86W	03 28 08					
"	555	8043	037.01W	05 07 27					
"	555	8044	062.15W	06 46 47					
"	555	8045	087.30W	08 26 07					
"	555	8046	112.45W	10 05 27	29.6	34.9	60.7	21.4	33.6
"	555	8047	137.59W	11 44 47					
"	555	8048	162.74W	13 24 07					
"	555	8049	172.10E	15 03 27	29.9	34.7	61.1	21.3	33.4
"	555	8050	146.96E	16 42 47	30.0	34.7	61.2	21.3	33.4
"	555	8051	121.81E	18 22 07					
"	555	8052	096.66E	20 01 27					
June 28, 1965	555	8053	071.52E	21 40 47					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
June 28, 1965	555	8054	046.37E	23 20 07					
June 29, 1965	556	8055	021.20E	00 59 27					
"	556	8056	003.93W	02 38 47					
"	556	8057	029.08W	04 18 07					
"	556	8058	054.23W	05 57 27					
"	556	8059	079.38W	07 36 47					
"	556	8060	104.52W	09 16 07					
"	556	8061	129.67W	10 55 27	31.3	34.0	62.7	20.6	32.9
"	556	8062	154.82W	12 34 47					
"	556	8063	179.96W	14 14 07					
"	556	8064	154.88E	15 53 27	31.7	33.8	63.1	20.3	32.8
"	556	8065	129.73E	17 32 47	31.8	33.8	63.3	20.3	32.7
"	556	8066	104.58E	19 12 07	32.0	33.7	63.4	20.2	32.7
"	556	8067	079.44E	20 51 27					
June 29, 1965	556	8068	054.29E	22 30 47					
June 30, 1965	557	8069	029.15E	00 10 06					
"	557	8070	004.00E	01 49 26					
"	557	8071	021.14W	03 28 46					
"	557	8072	046.28W	05 08 06					
"	557	8073	071.43W	06 47 26					
"	557	8074	096.58W	08 26 46	32.9	33.2	64.5	19.3	32.4
"	557	8075	121.72W	10 06 06					
"	557	8076	146.87W	11 45 26					
"	557	8077	172.02W	13 24 46					
"	557	8078	162.83E	15 04 06	33.4	33.0	65.0	18.9	32.3
"	557	8079	137.68E	16 43 26	33.5	32.9	65.1	18.8	32.3
June 30, 1965	557	8080	112.53E	18 22 46					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
June 30, 1965	557	8081	087.38E	20 02 06					
"	557	8082	062.24E	21 41 26					
June 30, 1965	557	8083	037.09E	23 20 46					
July 1, 1965	558	8084	011.94E	01 00 06					
"	558	8085	013.20W	02 39 25					
"	558	8086	038.34W	04 18 45					
"	558	8087	063.49W	05 58 05					
"	558	8088	088.63W	07 37 25	34.6	32.5	66.1	17.5	32.2
"	558	8089	113.78W	09 16 45					
"	558	8090	138.93W	10 56 05					
"	558	8091	164.08W	12 35 25					
"	558	8092	170.77E	14 14 45					
"	558	8093	145.62E	15 54 05	35.2	32.2	66.7	16.7	32.3
"	558	8094	120.48E	17 33 25					
"	558	8095	095.33E	19 12 45					
"	558	8096	070.18E	20 52 05					
July 1, 1965	558	8097	045.03E	22 31 25					
July 2, 1965	559	8098	019.89E	00 10 45					
"	559	8099	005.25W	01 50 05	35.9	31.9	67.3	15.8	30.8
"	559	8100	030.40W	03 29 25					
"	559	8101	055.55W	05 08 44					
"	559	8102	080.69W	06 48 04					
"	559	8103	105.84W	08 27 24					
"	559	8104	130.98W	10 06 44					
"	559	8105	156.13W	11 46 04					
"	559	8106	178.71E	13 25 24					
July 2, 1965	559	8107	153.56E	15 04 44					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
July 2, 1965	559	8108	128.42E	16 44 04					
"	559	8109	103.27E	18 23 24					
"	559	8110	078.12E	20 02 44					
"	559	8111	052.98E	21 42 04					
July 2, 1965	559	8112	027.83E	23 21 24	37.5	31.1	68.5	13.5	32.8
July 3, 1965	560	8113	002.68E	01 00 44	37.6	31.1	68.6	13.3	32.9
"	560	8114	022.45W	02 40 04					
"	560	8115	047.60W	04 19 24					
"	560	8116	072.75W	05 58 44					
"	560	8117	097.89W	07 38 04					
"	560	8118	123.04W	09 17 23					
"	560	8119	148.19W	10 56 43					
"	560	8120	173.34W	12 36 03					
"	560	8121	161.51E	14 15 23					
"	560	8122	136.36E	15 54 43					
"	560	8123	111.22E	17 34 03					
"	560	8124	086.07E	19 13 23					
"	560	8125	060.92E	20 52 43					
July 3, 1965	560	8126	035.77E	22 32 03	39.1	30.5	69.5	10.5	34.1
July 4, 1965	561	8127	010.63E	00 11 23	39.2	30.4	69.5	10.3	34.2
"	561	8128	014.51W	01 50 43					
"	561	8129	039.66W	03 30 03					
"	561	8130	064.80W	05 09 23					
"	561	8131	089.95W	06 48 43					
"	561	8132	115.10W	08 28 03					
"	561	8133	140.24W	10 07 23					
July 4, 1965	561	8134	165.39W	11 46 42					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
July 4, 1965	561	8135	169.45E	13 26 02					
"	561	8136	144.30E	15 05 22					
"	561	8137	119.16E	16 44 42					
"	561	8138	094.01E	18 24 02					
"	561	8139	068.87E	20 03 22					
"	561	8140	043.72E	21 42 42					
July 4, 1965	561	8141	018.57E	23 22 02	40.9	29.5	70.5	7.2	35.6
July 5, 1965	562	8142	006.57W	01 01 22	41.0	29.4	70.6	7.0	35.8
"	562	8143	031.71W	02 40 42					
"	562	8144	056.86W	04 20 02					
"	562	8145	082.01W	05 59 22					
"	562	8146	107.15W	07 38 42					
"	562	8147	132.30W	09 18 02					
"	562	8148	157.44W	10 57 22					
"	562	8149	177.40E	12 36 42					
"	562	8150	152.25E	14 16 01					
"	562	8151	127.10E	15 55 21					
"	562	8152	101.96E	17 34 41					
"	562	8153	076.81E	19 14 01					
"	562	8154	051.66E	20 53 21					
July 5, 1965	562	8155	026.51E	22 32 41	42.6	28.6	71.3	3.7	37.6
July 6, 1965	563	8156	001.35E	00 12 02	42.7	28.5	71.4	3.5	37.8
"	563	8157	023.79W	01 51 22					
"	563	8158	048.94W	03 30 42					
"	563	8159	074.08W	05 10 02					
"	563	8160	099.23W	06 49 21					
July 6, 1965	563	8161	124.38W	08 28 41					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
July 6, 1965	563	8162	149.52W	10 08 01					
"	563	8163	174.67W	11 47 21					
"	563	8164	160.17E	13 26 41					
"	563	8165	135.03E	15 06 01					
"	563	8166	109.88E	16 45 21					
"	563	8167	084.73E	18 24 41					
"	563	8168	059.59E	20 04 01					
"	563	8169	034.44E	21 43 21					
July 6, 1965	563	8170	009.29E	23 22 41	44.3	27.4	72.0	0.0	40.0
July 7, 1965	564	8171	015.84W	01 02 01	44.5	27.3	72.0	-0.3	40.2
"	564	8172	040.99W	02 41 21					
"	564	8173	066.14W	04 20 41					
"	564	8174	091.29W	06 00 01					
"	564	8175	116.43W	07 39 21					
"	564	8176	141.58W	09 18 40					
"	564	8177	166.72W	10 58 00					
"	564	8178	168.12E	12 37 20					
"	564	8179	142.97E	14 16 40					
"	564	8180	117.82E	15 56 00					
"	564	8181	092.68E	17 35 20					
"	564	8182	067.53E	19 14 40					
"	564	8183	042.38E	20 54 00					
July 7, 1965	564	8184	017.24E	22 33 20	46.0	26.7	72.2	-4.0	43.1
July 8, 1965	565	8185	007.90W	00 12 40	46.1	26.7	72.2	-4.3	43.3
"	565	8186	033.05W	01 52 00					
"	565	8187	058.20W	03 31 20					
July 8, 1965	565	8188	083.34W	05 10 40					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
July 8, 1965	565	8189	108.49W	06 50 00					
"	565	8190	133.64W	08 29 20					
"	565	8191	158.78W	10 08 40					
"	565	8192	176.06E	11 48 00					
"	565	8193	150.91E	13 27 20					
"	565	8194	125.77E	15 06 40					
"	565	8195	100.62E	16 45 59					
"	565	8196	075.47E	18 25 19					
"	565	8197	050.33E	20 04 39					
"	565	8198	025.18E	21 43 59					
July 8, 1965	565	8199	000.03E	23 23 19	47.7	26.0	72.0	-8.3	46.7
July 9, 1965	566	8200	025.10W	01 02 39	47.8	26.0	72.0	-8.5	46.9
"	566	8201	050.25W	02 41 59					
"	566	8202	075.40W	04 21 19					
"	566	8203	100.55W	06 00 39					
"	566	8204	125.69W	07 39 59					
"	566	8205	150.84W	09 19 19					
"	566	8206	175.99W	10 58 39					
"	566	8207	158.86E	12 37 59					
"	566	8208	133.71E	14 17 19					
"	566	8209	108.57E	15 56 39					
"	566	8210	083.42E	17 35 59					
"	566	8211	058.27E	19 15 19					
"	566	8212	033.12E	20 54 38					
July 9, 1965	566	8213	007.98E	22 33 58	49.2	25.3	71.7	-12.2	50.2
July 10, 1965	567	8214	017.16W	00 13 18	49.3	25.2	71.7	-12.5	50.5
July 10, 1965	567	8215	042.31W	01 52 38					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
July 10, 1965	567	8216	067.45W	03 31 58					
"	567	8217	092.60W	05 11 18					
"	567	8218	117.75W	06 50 38					
"	567	8219	142.90W	08 29 58					
"	567	8220	168.04W	10 09 18					
"	567	8221	166.80E	11 48 38					
"	567	8222	141.65E	13 27 58	50.1	24.8	71.4	-14.6	52.5
"	567	8223	116.51E	15 07 18					
"	567	8224	091.36E	16 46 38					
"	567	8225	066.21E	18 25 58					
"	567	8226	041.07E	20 05 18					
"	567	8227	015.92E	21 44 38					
July 10, 1965	567	8228	009.22W	23 23 58	50.7	24.5	71.2	-16.2	54.0
July 11, 1965	568	8229	034.36W	01 03 17	50.8	24.4	71.2	-16.3	54.1
"	568	8230	059.51W	02 42 37					
"	568	8231	084.66W	04 21 57					
"	568	8232	109.80W	06 01 17					
"	568	8233	134.95W	07 40 37					
"	568	8234	160.10W	09 19 57					
"	568	8235	174.75E	10 59 17					
"	568	8236	149.60E	12 38 37					
"	568	8237	124.45E	14 17 57	51.3	23.4	71.0	-17.6	55.4
"	568	8238	099.30E	15 57 17					
"	568	8239	074.15E	17 36 37					
"	568	8240	049.01E	19 15 57					
"	568	8241	023.86E	20 55 17					
July 11, 1965	568	8242	001.27W	22 34 37	51.7	22.8	70.9	-18.3	56.3

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING Longitude (Deg)	NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
July 12, 1965	569	8243	026.42W	00 13 57	51.8	22.7	70.9	-18.5	56.4
"	569	8244	051.57W	01 53 17					
"	569	8245	076.71W	03 32 37					
"	569	8246	101.86W	05 11 57					
"	569	8247	127.01W	06 51 16					
"	569	8248	152.16W	08 30 36					
"	569	8249	177.30W	10 09 56					
"	569	8250	157.54E	11 49 16					
"	569	8251	132.40E	13 28 36	52.3	21.7	70.7	-19.6	57.7
"	569	8252	107.25E	15 07 56					
"	569	8253	082.10E	16 47 16					
"	569	8254	056.95E	18 26 36					
"	569	8255	031.81E	20 05 56					
"	569	8256	006.66E	21 45 16					
July 12, 1965	569	8257	018.48W	23 24 36	52.7	21.0	70.6	-20.5	58.6
July 13, 1965	570	8258	043.63W	01 03 54	52.8	20.9	70.5	-20.7	58.8
"	570	8259	068.78W	02 43 14					
"	570	8260	093.93W	04 22 34					
"	570	8261	119.07W	05 01 54					
"	570	8262	144.22W	07 41 14					
"	570	8263	169.37W	09 20 34					
"	570	8264	165.48E	10 59 54					
"	570	8265	140.33E	12 39 14					
"	570	8266	115.18E	14 18 34					
"	570	8267	090.04E	15 57 54					
"	570	8268	064.89E	17 37 14					
July 13, 1965	570	8269	039.74E	19 16 33					

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	DEC SA (Deg)	GAMMA (Deg)
July 13, 1965	570	8270	014.60E	20 55 53				
July 13, 1965	570	8271	010.54W	22 35 13	53.6	19.3	-22.6	60.8
July 14, 1965	571	8272	035.69W	00 14 33	53.7	19.2	-22.7	61.0
"	571	8273	060.84W	01 53 53				
"	571	8274	085.98W	03 33 13				
"	571	8275	111.13W	05 12 33				
"	571	8276	136.27W	06 51 53				
"	571	8277	161.42W	08 31 13				
"	571	8278	173.42E	10 10 33				
"	571	8279	148.27E	11 49 53				
"	571	8280	123.13E	13 29 13				
"	571	8281	097.98E	15 08 33				
"	571	8282	072.83E	16 47 53				
"	571	8283	047.69E	18 27 12				
"	571	8284	022.54E	20 06 32				
"	571	8285	002.60W	21 45 52				
July 14, 1965	571	8286	027.74W	23 25 12	54.6	17.5	-24.6	63.0
July 15, 1965	572	8287	052.89W	01 04 32	54.6	17.4	-24.8	63.2
"	572	8288	078.04W	02 43 52				
"	572	8289	103.18W	04 23 12				
"	572	8290	128.33W	06 02 32				
"	572	8291	153.48W	07 41 52				
"	572	8292	178.62W	09 21 12				
"	572	8293	156.22E	11 00 32				
"	572	8294	131.07E	12 39 52				
"	572	8295	105.93E	14 19 12				
July 15, 1965	572	8296	080.78E	15 58 32				

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
July 15, 1965	572	8297	055.63E	17 37 51					
"	572	8298	030.48E	19 17 11					
"	572	8299	005.34E	20 56 31					
July 15, 1965	572	8300	019.80W	22 35 51	55.4	15.7	69.8	-26.5	64.9
July 16, 1965	573	8301	044.95W	00 15 11	55.5	15.6	69.7	-26.5	65.0
"	573	8302	070.09W	01 54 31					
"	573	8303	095.24W	03 33 51					
"	573	8304	120.38W	05 13 11					
"	573	8305	145.53W	06 52 31					
"	573	8306	170.68W	08 31 51					
"	573	8307	164.16E	10 11 11					
"	573	8308	139.02E	11 50 31	55.9	14.7	69.7	-27.3	65.9
"	573	8309	113.87E	13 29 51					
"	573	8310	088.72E	15 09 11					
"	573	8311	063.58E	16 48 30					
"	573	8312	038.43E	18 27 50					
"	573	8313	013.28E	20 07 10					
"	573	8314	011.85W	21 46 30					
July 16, 1965	573	8315	037.00W	23 25 50	56.3	13.8	69.6	-28.2	66.8
July 17, 1965	574	8316	062.15W	01 05 10					
"	574	8317	087.29W	02 44 30	56.5	13.6	69.7	-28.7	67.1
"	574	8318	112.44W	04 23 50	56.5	13.3	69.7	-28.4	67.0
"	574	8319	137.59W	06 03 10					
"	574	8320	162.74W	07 42 30					
"	574	8321	172.11E	09 21 50	56.3	12.2	69.7	-27.4	66.5
July 17, 1965	574	8322	146.96E	11 01 10	56.2	11.9	69.7	-27.1	66.3

MAC SWITCH CHANGED FROM POSITION 8 TO 4

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## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
July 17, 1965	574	8323	121.81E	12 40 30	56.2	11.6	69.6	-26.8	66.1
"	574	8324	096.67E	14 19 49					
"	574	8325	071.52E	15 59 09					
"	574	8326	046.37E	17 38 29					
"	574	8327	021.23E	19 17 49					
"	574	8328	003.91W	20 57 09					
July 17, 1965	574	8329	029.06W	22 36 29	55.9	9.5	69.6	-24.8	65.1
July 18, 1965	575	8330	054.20W	00 15 49	55.8	9.2	69.6	-24.5	65.0
"	575	8331	079.35W	01 55 09					
"	575	8332	104.50W	03 34 29					
"	575	8333	129.64W	05 13 49					
"	575	8334	154.79W	06 53 09					
"	575	8335	179.94W	08 32 29					
"	575	8336	154.91E	10 11 49					
"	575	8337	129.76E	11 51 09	55.5	6.7	69.4	-22.3	63.9
"	575	8338	104.61E	13 30 29					
"	575	8339	079.47E	15 09 48					
"	575	8340	054.32E	16 49 08					
"	575	8341	029.17E	18 28 28					
"	575	8342	004.02E	20 07 48					
"	575	8343	021.11W	21 47 08	55.2	4.3	69.3	-20.0	62.9
July 18, 1965	575	8344	046.26W	23 26 28					
July 19, 1965	576	8345	071.41W	01 05 48	55.1	4.0	69.3	-19.7	62.8
"	576	8346	096.55W	02 45 08					
"	576	8347	121.70W	04 24 28					
"	576	8348	146.85W	06 03 48					
July 19, 1965	576	8349	171.99W	07 43 08					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
July 19, 1965	576	8350	162.85E	09 22 28					
"	576	8351	137.70E	11 01 47					
"	576	8352	112.55E	12 41 07					
"	576	8353	087.41E	14 20 27					
"	576	8354	062.27E	15 59 47					
"	576	8355	037.12E	17 39 07					
"	576	8356	011.97E	19 18 27					
"	576	8357	013.17W	20 57 47					
July 19, 1965	576	8358	038.31W	22 37 07	54.6	-0.5	68.9	-15.6	61.2
July 20, 1965	577	8359	063.49W	00 16 28	54.5	-0.8	68.8	-15.3	61.1
"	577	8360	088.64W	01 55 48					
"	577	8361	113.79W	03 35 08					
"	577	8362	138.94W	05 14 28					
"	577	8363	164.08W	06 53 48					
"	577	8364	170.76E	08 33 08					
"	577	8365	145.62E	10 12 28					
"	577	8366	120.47E	11 51 48					
"	577	8367	095.32E	13 31 08					
"	577	8368	070.17E	15 10 27					
"	577	8369	045.03E	16 49 47					
"	577	8370	019.88E	13 29 07					
"	577	8371	005.26W	20 08 27					
"	577	8372	030.40W	21 47 47					
July 20, 1965	577	8373	055.55W	23 27 07	53.9	-5.7	68.3	-10.7	59.8
July 21, 1965	578	8374	080.70W	01 06 27					
July 21, 1965	578	8375	105.84W	02 45 47	53.8	-6.5	68.3	-10.0	59.5

MAC SWITCH CHANGED FROM POSITION 4 TO 1

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
July 21, 1965	578	8376	130.99W	04 25 07					
"	578	8377	156.14W	06 04 27					
"	578	8378	178.71E	07 43 47					
"	578	8379	153.56E	09 23 07					
"	578	8380	128.42E	11 02 27					
"	578	8381	103.27E	12 41 47					
"	578	8382	078.12E	14 21 07					
"	578	8383	052.97E	16 00 27					
"	578	8384	027.82E	17 39 46					
"	578	8385	002.68E	19 19 06					
"	578	8386	022.46W	20 58 26					
July 21, 1965	578	8387	047.60W	22 37 46					
July 22, 1965	579	8388	072.75W	00 17 06					
"	579	8389	097.90W	01 56 26	53.8	-19.5	75.6	-2.6	50.2
"	579	8390	123.04W	03 35 46	53.6	-20.8	76.1	-1.3	49.4
"	579	8391	148.19W	05 15 06					
"	579	8392	173.34W	06 54 26					
"	579	8393	161.50E	08 33 46					
"	579	8394	136.35E	10 13 06					
"	579	8395	111.21E	11 52 26					
"	579	8396	086.06E	13 31 46					
"	579	8397	060.92E	15 11 06					
"	579	8398	035.77E	16 50 25					
"	579	8399	010.62E	18 29 45					
"	579	8400	014.52W	20 09 05					
"	579	8401	039.66W	21 48 25					
July 22, 1965	579	8402	064.81W	23 27 45	50.7	-36.7	81.7	15.0	38.7

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
July 23, 1965	580	8403	089.96W	01 07 05	50.5	-37.5	82.0	15.9	38.5
"	580	8404	115.10W	02 46 25					
"	580	8405	140.25W	04 25 45					
"	580	8406	165.40W	06 05 05					
"	580	8407	169.45E	07 44 25					
"	580	8408	144.30E	09 23 45					
"	580	8409	119.15E	11 03 05					
"	580	8410	094.01E	12 42 25					
"	580	8411	068.86E	14 21 45					
"	580	8412	043.71E	16 01 05					
"	580	8413	018.57E	17 40 24					
"	580	8414	006.57W	19 19 44					
"	580	8415	031.72W	20 59 04					
July 23, 1965	580	8416	056.87W	22 38 24	47.3	-47.9	85.5	27.8	35.1
July 24, 1965	581	8417	082.01W	00 17 44	47.0	-48.5	85.9	28.5	35.0
"	581	8418	107.16W	01 57 04					
"	581	8419	132.31W	03 36 24					
"	581	8420	157.45W	05 15 44					
"	581	8421	177.39E	06 55 04					
"	581	8422	152.25E	08 34 24					
"	581	8423	127.10E	10 13 44					
"	581	8424	101.95E	11 53 04					
"	581	8425	076.80E	13 32 24					
"	581	8426	051.66E	15 11 44					
"	581	8427	026.51E	16 51 03					
"	581	8428	001.36E	18 30 23					
July 24, 1965	581	8429	023.77W	20 09 43					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
July 24, 1965	581	8430	048.92W	21 49 03					
July 24, 1965	581	8431	074.07W	23 28 23	43.0	-57.6	91.5	38.6	33.8
July 25, 1965	582	8432	099.21W	01 07 43	42.7	-58.5	92.5	38.8	33.4
"	582	8433	124.36W	02 47 03					
"	582	8434	149.51W	04 26 23					
"	582	8435	174.66W	06 05 43					
"	582	8436	160.19E	07 45 03					
"	582	8437	135.04E	09 24 23					
"	582	8438	109.90E	11 03 43					
"	582	8439	084.75E	12 43 03					
"	582	8440	059.60E	14 22 23					
"	582	8441	034.45E	16 01 42					
"	582	8442	009.30E	17 41 02					
"	582	8443	015.83W	19 20 22					
"	582	8444	040.98W	20 59 42					
July 25, 1965	582	8445	066.12W	22 39 02	38.9	-71.4	107.5	41.7	26.6
July 26, 1965	583	8446	091.27W	00 18 22	38.6	-72.4	108.4	41.2	25.9
"	583	8447	116.42W	01 57 42					
"	583	8448	141.56W	03 37 02					
"	583	8449	166.71W	05 16 22					
"	583	8450	168.14E	06 55 42					
"	583	8451	142.98E	08 35 02					
"	583	8452	117.84E	10 14 22					
"	583	8453	092.69E	11 53 42					
"	583	8454	067.55E	13 33 02					
"	583	8455	042.40E	15 12 21					
July 26, 1965	583	8456	017.25E	16 51 41					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	$t_o$ (Min AAN)	$n_o$ (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
July 26, 1965	583	8457	007.89W	18 31 01					
"	583	8458	033.03W	20 10 21					
"	583	8459	058.18W	21 49 41					
July 26, 1965	583	8460	083.32W	23 29 01	34.5	-86.5	120.9	34.3	15.7
July 27, 1965	584	8461	108.48W	01 08 20	34.2	-87.6	121.2	33.6	15.0
"	584	8462	133.63W	02 47 40					
"	584	8463	158.77W	04 27 00					
"	584	8464	176.07E	06 06 20	33.5	-90.0	122.3	31.5	12.8
"	584	8464	176.07E	06 06 20	83.0	-90.0	122.3	31.5	12.8
"	584	8465	150.93E	07 45 40					
"	584	8466	125.78E	09 24 59					
"	584	8467	100.63E	11 04 19					
"	584	8468	075.49E	12 43 39					
"	584	8469	050.34E	14 22 59					
"	584	8470	025.19E	16 02 19					
"	584	8471	000.04E	17 41 39					
"	584	8472	025.09W	19 20 59					
"	584	8473	050.24W	21 00 19					
July 27, 1965	584	8474	075.38W	22 39 39	85.5	-79.3	127.4	23.1	4.0
July 28, 1965	585	8475	100.53W	00 18 59	85.7	-78.3	128.0	22.5	4.4
"	585	8476	125.68W	01 58 18					
"	585	8477	150.82W	03 37 38					
"	585	8478	175.97W	05 16 58					
"	585	8479	158.87E	06 56 18					
"	585	8480	133.72E	08 35 38					
July 28, 1965	585	8481	108.58E	10 14 58					

NOTE: When  $n_o = 90^\circ$ ,  $t_o$  is meaningless

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
July 28, 1965	585	8482	083.43E	11 54 18					
"	585	8483	058.28E	13 33 38					
"	585	8484	033.14E	15 12 58					
"	585	8485	007.99E	16 52 18					
"	585	8486	017.15W	18 31 38					
"	585	8487	042.29W	20 10 58					
"	585	8488	067.44W	21 50 17					
July 28, 1965	585	8489	092.59W	23 29 37	89.1	-64.3	137.2	14.4	9.8
July 29, 1965	586	8490	117.74W	01 08 57	89.3	-63.3	138.0	14.1	10.6
"	586	8491	142.88W	02 48 17					
"	586	8492	168.03W	04 27 37					
"	586	8493	166.82E	06 06 57					
"	586	8494	141.67E	07 46 17					
"	586	8495	116.52E	09 25 37					
"	586	8496	091.38E	11 04 57					
"	586	8497	066.23E	12 44 17					
"	586	8498	041.08E	14 23 37					
"	586	8499	015.93E	16 02 57					
"	586	8500	009.20W	17 42 16					
"	586	8501	034.35W	19 21 36					
"	586	8502	059.49W	21 00 56					
July 29, 1965	586	8503	084.64W	22 40 16	92.5	-50.5	148.7	10.2	20.9
July 30, 1965	587	8504	109.79W	00 19 36	92.7	-49.5	149.7	10.2	21.7
"	587	8505	134.93W	01 58 56					
"	587	8506	160.08W	03 38 16					
"	587	8507	174.76E	05 17 36					
July 30, 1965	587	8508	149.61E	06 56 56					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
July 30, 1965	587	8509	124.47E	08 36 16					
"	587	8510	099.32E	10 15 36					
"	587	8511	074.18E	11 54 56					
"	587	8512	049.03E	13 34 16					
"	587	8513	023.88E	15 13 35					
"	587	8514	001.26W	16 52 55					
"	587	8515	026.40W	18 32 15					
"	587	8516	051.55W	20 11 35					
"	587	8517	076.70W	21 50 55					
July 30, 1965	587	8518	101.84W	23 30 15	96.2	-35.8	162.9	9.8	33.0
July 31, 1965	588	8519	126.99W	01 09 35	96.5	-34.8	164.0	10.0	33.9
"	588	8520	152.13W	02 48 55					
"	588	8521	177.28W	04 28 15					
"	588	8522	157.56E	06 07 35					
"	588	8523	132.41E	07 46 55	97.6	-30.6	168.4	10.7	37.5
MAC SWITCH CHANGED FROM POSITION 5 TO 0									
"	588	8524	107.27E	09 26 14					
"	588	8525	082.12E	11 05 34					
"	588	8526	056.97E	12 44 54					
"	588	8527	031.82E	14 24 14					
"	588	8528	006.68E	16 03 34					
"	588	8529	018.46W	17 42 54					
"	588	8530	043.60W	19 22 14					
"	588	8531	068.75W	21 01 34					
July 31, 1965	588	8532	093.90W	22 40 54	97.7	-28.5	168.2	10.0	37.0
August 1, 1965	589	8533	119.04W	00 20 14					
August 1, 1965	589	8534	144.19W	01 59 34					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
August 1, 1965	589	8535	169.34W	03 38 54					
"	589	8536	165.50E	05 18 13					
"	589	8537	140.36E	06 57 33					
"	589	8538	115.21E	08 36 53					
"	589	8539	090.07E	10 16 13					
"	589	8540	064.92E	11 55 33					
"	589	8541	039.77E	13 34 53					
"	589	8542	014.62E	15 14 13					
"	589	8543	010.51W	16 53 33					
"	589	8544	035.66W	18 32 53					
"	589	8545	060.80W	20 12 13					
"	589	8546	085.95W	21 51 33					
August 1, 1965	589	8547	111.10W	23 30 52	98.0	-26.9	166.3	9.8	34.3
August 2, 1965	590	8548	136.25W	01 10 12					
"	590	8549	161.39W	02 49 32					
"	590	8550	173.45E	04 28 52					
"	590	8551	148.30E	06 08 12					
"	590	8552	123.16E	07 47 32					
"	590	8553	098.01E	09 26 52					
"	590	8554	072.87E	11 06 12					
"	590	8555	047.72E	12 45 32					
"	590	8556	022.57E	14 24 52					
"	590	8557	002.57W	16 04 12					
"	590	8558	027.71W	17 43 32					
"	590	8559	052.86W	19 22 51					
"	590	8560	078.01W	21 02 11					
August 2, 1965	590	8561	103.15W	22 41 31	98.2	-23.4	166.3	8.7	33.7

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
August 3, 1965	591	8562	128.33W	00 20 53	98.2	-23.1	166.3	8.5	33.7
"	591	8563	153.47W	02 00 13					
"	591	8564	178.62W	03 39 33					
"	591	8565	156.23E	05 18 53					
"	591	8566	131.08E	06 58 12					
"	591	8567	105.93E	08 37 32					
"	591	8568	080.78E	10 16 52					
"	591	8569	055.64E	11 56 12					
"	591	8570	030.49E	13 35 32					
"	591	8571	005.35E	15 14 52					
"	591	8572	019.80W	16 54 12					
"	591	8573	044.94W	18 33 32					
"	591	8574	070.09W	20 12 52					
"	591	8575	095.23W	21 52 12					
August 3, 1965	591	8576	120.38W	23 31 32	98.4	-18.4	167.3	6.7	34.3
August 4, 1965	592	8577	145.53W	C1 10 52	98.4	-18.1	167.4	6.6	34.4
"	592	8578	170.68W	C2 50 12					
"	592	8579	164.17E	C4 29 32					
"	592	8580	139.02E	C6 08 51					
"	592	8581	113.88E	C7 48 11					
"	592	8582	088.72E	C9 27 31					
"	592	8583	063.58E	11 06 51					
"	592	8584	038.43E	12 46 11					
"	592	8585	013.29E	14 25 31					
"	592	8586	011.85W	16 04 51					
"	592	8587	036.99W	17 44 11					
August 4, 1965	592	8588	062.15W	19 23 31					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	R.A SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
August 4, 1965	592	8589	087.29W	21 02 51					
August 4, 1965	592	8590	112.44W	22 42 11	98.7	-13.7	168.5	5.3	35.1
August 5, 1965	593	8591	137.58W	00 21 31	98.7	-13.4	168.6	5.2	35.1
"	593	8592	162.73W	02 00 51					
"	593	8593	172.11E	03 40 10					
"	593	8594	146.97E	05 19 30					
"	593	8595	121.82E	06 58 50					
"	593	8596	096.67E	08 38 10					
"	593	8597	071.52E	10 17 30					
"	593	8598	046.38E	11 56 50					
"	593	8599	021.23E	13 36 10					
"	593	8600	003.90W	15 15 30					
"	593	8601	029.05W	16 54 50					
"	593	8602	054.20W	18 34 10					
"	593	8603	079.35W	20 13 30					
"	593	8604	104.49W	21 52 49					
August 5, 1965	593	8605	129.64W	23 32 10	99.0	-8.6	169.8	3.6	35.9
August 6, 1965	594	8606	154.79W	01 11 29	99.1	-8.3	169.8	3.5	35.9
"	594	8607	179.93W	02 50 49					
"	594	8608	154.91E	04 30 09					
"	594	8609	129.77E	06 09 29					
"	594	8610	104.62E	07 48 49					
"	594	8611	079.47E	09 28 09					
"	594	8612	054.32E	11 07 29					
"	594	8613	029.18E	12 46 49					
"	594	8614	004.03E	14 26 09					
August 6, 1965	594	8615	021.10W	16 05 29					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
August 6, 1965	594	8616	046.25W	17 44 49					
"	594	8617	071.40W	19 24 08					
"	594	8618	096.55W	21 03 28					
August 6, 1965	594	8619	121.69W	22 42 48	0.0	-4.0	170.8	2.1	36.5
August 7, 1965	595	8620	146.84W	00 22 08	0.0	-3.7	170.9	2.0	36.6
"	595	8621	171.99W	02 01 28					
"	595	8622	162.85E	03 40 48					
"	595	8623	137.71E	05 20 08					
"	595	8624	112.56E	05 59 28					
"	595	8625	087.42E	08 38 48					
"	595	8626	062.27E	10 18 08					
"	595	8627	037.12E	11 57 28					
"	595	8628	011.98E	13 36 48					
"	595	8629	013.16W	15 16 08					
"	595	8630	038.31W	16 55 27					
"	595	8631	063.45W	18 34 47					
"	595	8632	088.60W	20 14 07	0.2	0.5	171.9	0.5	37.4
"	595	8633	113.75W	21 53 27					
August 7, 1965	595	8634	138.89W	23 32 47	0.3	1.2	172.0	0.2	37.5
August 8, 1965	596	8635	164.04W	01 12 07	0.3	1.5	172.2	0.1	37.6
"	596	8636	170.80E	02 51 27					
"	596	8637	145.65E	04 30 47					
"	596	8638	120.51E	06 10 07					
"	596	8639	095.36E	07 49 27					
"	596	8640	070.22E	09 28 47					
"	596	8641	045.06E	11 08 06					
August 8, 1965	596	8642	019.92E	12 47 26					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
August 8, 1965	596	8643	005.22W	14 26 46					
"	596	8644	030.36W	16 06 06					
"	596	8645	055.51W	17 45 26					
"	596	8646	080.66W	19 24 46					
"	596	8647	105.81W	21 04 06					
August 8, 1965	596	8648	130.95W	22 43 26	0.8	6.0	173.7	-0.7	38.4
August 9, 1965	597	8649	156.10W	00 22 46					
"	597	8650	178.74E	02 02 06					
"	597	8651	153.60E	03 41 26	0.9	7.0	174.0	-0.9	38.6
"	597		MAC SWITCH CHANGED FROM POSITION 0 TO 8						
"	597	8652	128.45E	05 20 46					
"	597		MAC SWITCH CHANGED FROM POSITION 8 TO 11						
"	597	8653	103.31E	07 00 06					
"	597	8654	078.16E	08 39 25					
"	597	8655	053.01E	10 18 45					
"	597	8656	027.86E	11 58 05					
"	597	8657	002.72E	13 37 25					
"	597	8658	022.42W	15 16 45					
"	597	8659	047.57W	16 56 05					
"	597	8660	072.71W	18 35 25					
"	597	8661	097.86W	20 14 45					
"	597	8662	123.00W	21 54 05					
August 9, 1965	597	8663	148.15W	23 33 25	3.7	2.3	172.7	10.2	37.3
August 10, 1965	598	8664	173.32W	01 12 45					
"	598	8665	161.52E	02 52 05	4.2	1.5	172.5	12.0	37.1
"	598	8666	136.38E	04 31 25					
"	598	8667	111.23E	06 10 44					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
August 10, 1965	598	8669	060.54E	09 29 24					
"	598	8670	035.79E	11 08 44					
"	598	8671	010.64E	12 48 04					
"	598	8672	014.49W	14 27 24					
"	598	8673	039.64W	16 06 44					
"	598	8674	064.9W	17 46 04					
"	598	8675	089.04W	19 25 24					
"	598	8676	115.08W	21 04 44					
August 10, 1965	598	8677	140.03W	22 44 04	7.0	-3.2	171.1	23.1	35.8
August 11, 1965	599	8678	165.37W	00 23 24	7.2	-3.6	171.0	24.0	35.7
"	599	8679	169.17E	02 02 43					
"	599	8680	144.32E	03 42 03					
"	599	8681	119.8E	05 21 23					
"	599	8682	094.03E	07 00 43					
"	599	8683	068.38E	08 40 03					
"	599	8684	043.73E	10 19 23					
"	599	8685	018.59E	11 58 43					
"	599	8686	006.55W	13 38 03					
"	599	8687	031.59W	15 17 23					
"	599	8688	056.84W	16 56 43					
"	599	8689	081.99W	18 36 03	9.8	-7.9	169.8	34.2	34.5
"	599	8690	107.14W	20 15 23					
"	599	8691	132.28W	21 54 42					
August 11, 1965	599	8692	157.43W	23 34 02					
August 12, 1965	600	8693	177.41E	01 13 22					
August 12, 1965	600	8694	152.26E	02 52 42	11.0	-9.9	169.3	38.8	33.9

MAC SWITCH CHANGED FROM POSITION 11 TO 6

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>0</sub> (Min AAN)	n <sub>0</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
August 12, 1965	600	8695	127.12E	04 32 02					
"	600	8696	101.97E	06 11 22					
"	600	8697	076.82E	07 50 42	11.1	-9.5	169.2	38.8	33.9
"	600	8698	051.68E	09 30 02					
"	600	8699	026.53E	11 09 22					
"	600	8700	001.39E	12 48 42					
"	600	8701	023.75W	14 28 02					
"	600	8702	048.90W	16 07 21					
"	600	8703	074.05W	17 46 41					
"	600	8704	099.19W	19 26 01	11.3	-8.7	169.0	39.0	33.7
"	600	8705	124.34W	21 05 21					
August 12, 1965	600	8706	149.48W	22 44 41					
August 13, 1965	601	8707	174.63W	00 24 01	11.4	-8.3	168.9	39.0	33.6
"	601	8708	160.21E	02 03 21					
"	601	8709	135.06E	03 42 41	11.5	-8.0	168.8	39.1	33.6
"	601	8710	109.92E	05 22 01					
"	601	8711	084.77E	07 01 21					
"	601	8712	059.62E	08 40 41					
"	601	8713	034.47E	10 20 00					
"	601	8714	009.33E	11 59 21					
"	601	8715	015.81W	13 38 40					
"	601	8716	040.95W	15 18 00					
"	601	8717	066.10W	16 57 20					
"	601	8718	091.25W	18 36 40					
"	601	8719	116.40W	20 16 00					
August 13, 1965	601	8720	141.54W	21 55 20	11.8	-6.7	168.5	39.3	33.3

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
August 13, 1965	601	8721	166.69W	23 34 40					
August 14, 1965	602	8722	168.15E	01 14 00			168.4	39.4	33.3
"	602	8723	143.01E	02 53 20	11.9	-6.3			
"	602	8724	117.86E	04 32 40	12.0	-6.2	168.4	39.4	33.2
"	602	8725	092.72E	06 12 00	12.0	-6.1	168.4	39.4	33.2
"	602	8726	067.57E	07 51 19					
"	602	8727	042.42E	09 30 39					
"	602	8728	017.27E	11 09 59					
"	602	8729	007.86W	12 49 19					
"	602	8730	033.01W	14 28 39					
"	602	8731	058.16W	16 07 59					
"	602	8732	083.30W	17 47 19	12.2	-5.2	168.2	39.5	33.1
"	602	8733	108.45W	19 26 39					
"	602	8734	133.60W	21 05 59	12.3	-5.0	168.1	39.6	33.0
August 14, 1965	602	8735	158.74W	22 45 19					
August 15, 1965	603	8736	176.10E	00 24 39					
"	603	8737	150.96E	02 03 59	12.4	-4.6	168.0	39.6	32.9
"	603	8738	125.81E	03 43 18	12.4	-4.5	168.0	39.7	32.9
"	603	8739	100.66E	05 22 38	12.5	-4.3	168.0	39.7	32.9
"	603	8740	075.51E	07 01 58	12.5	-4.2	168.0	39.7	32.9
"	603	8741	050.37E	08 41 18					
"	603	8742	025.22E	10 20 38					
"	603	8743	000.07E	11 59 58					
"	603	8744	025.06W	13 39 18					
"	603	8745	050.21W	15 18 38					
"	603	8746	075.36W	16 57 58					
August 15, 1965	603	8747	100.50W	18 37 18					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	$t_0$ (Min AAN)	$n_0$ (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
August 15, 1965	603	8748	125.65W	20 16 38					
"	603	8749	150.79W	21 55 58					
August 15, 1965	603	8750	175.95W	23 35 17					
August 16, 1965	604	8751	158.90E	01 14 37	12.8	-2.8	167.7	39.9	32.6
"	604	8752	133.75E	02 53 57					
"	604	8753	108.60E	04 33 17	12.9	-2.6	167.6	40.0	32.6
MAC SWITCH CHANGED FROM POSITION 7 TO 0									
"	604	8754	083.46E	06 12 37					
"	604	8755	058.31E	07 51 57					
"	604	8756	033.16E	09 31 17					
"	604	8757	008.02E	11 10 37					
"	604	8758	017.12W	12 49 57					
"	604	8759	042.27W	14 29 17					
"	604	8760	067.41W	16 08 37					
"	604	8761	092.56W	17 47 57					
"	604	8762	117.71W	19 27 16					
"	604	8763	142.85W	21 06 36					
August 16, 1965	604	8764	168.00W	22 45 56	13.3	-1.3	167.3	40.0	32.3
August 17, 1965	605	8765	166.83E	00 25 16					
"	605	8766	141.68E	02 04 36					
"	605	8767	116.54E	03 43 56					
"	605	8768	091.39E	05 23 16					
"	605	8769	066.24E	07 02 36					
"	605	8770	041.09E	08 41 56					
"	605	8771	015.95E	10 21 16					
"	605	8772	009.19W	12 00 36					
"	605	8773	034.33W	13 39 56					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
August 17, 1965	605	8775	084.63W	16 58 36					
"	605	8776	109.77W	18 37 55					
"	605	8777	134.92W	20 17 15					
"	605	8778	160.07W	21 56 35					
August 17, 1965	605	8779	174.78E	23 35 55	13.7	0.5	166.9	40.2	32.0
August 18, 1965	606	8780	149.63E	01 15 15	13.8	0.7	166.9	40.1	32.0
"	606	8781	124.48E	02 54 35					
"	606	8782	099.34E	04 33 55					
"	606	8783	074.19E	06 13 15					
"	606	8784	049.04E	07 52 35					
"	606	8785	023.90E	09 31 55					
"	606	8786	001.24W	11 11 15					
"	606	8787	026.39W	12 50 34					
"	606	8788	051.54W	14 29 54					
"	606	8789	076.68W	16 09 14					
"	606	8790	101.83W	17 48 34					
"	606	8791	126.97W	19 27 54					
"	606	8792	152.12W	21 07 14					
August 18, 1965	606	8793	177.27W	22 46 34	14.2	2.8	167.2	39.8	31.7
August 19, 1965	607	8794	157.57E	00 25 54	14.3	3.0	167.2	39.8	31.7
"	607	8795	132.43E	02 05 14					
"	607	8796	107.28E	03 44 34					
"	607	8797	082.13E	05 23 54					
"	607	8798	056.99E	07 03 14					
"	607	8799	031.84E	08 42 33					
"	607	8800	006.69E	10 21 53					
August 19, 1965	607	8801	018.44W	12 01 13					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
August 19, 1965	607	8802	043.59W	13 40 33					
"	607	8803	068.74W	15 19 53					
"	607	8804	093.89W	16 59 13					
"	607	8805	119.03W	18 38 33					
"	607	8806	144.17W	20 17 53					
"	607	8807	169.33W	21 57 13					
August 19, 1965	607	8808	165.52E	23 36 33	14.8	5.1	167.3	39.4	31.3
August 20, 1965	608	8809	140.37E	01 15 53	14.8	5.3	167.3	39.3	31.3
"	608	8810	115.23E	02 55 13					
"	608	8811	090.08E	04 34 32					
"	608	8812	064.93E	06 13 52					
"	608	8813	039.78E	07 53 12					
"	608	8814	014.64E	09 32 32					
"	608	8815	010.50W	11 11 52					
"	608	8816	035.65W	12 51 12					
"	608	8817	060.79W	14 30 32					
"	608	8818	085.94W	16 09 52					
"	608	8819	111.08W	17 49 12					
"	608	8820	136.23W	19 28 32					
"	608	8821	161.38W	21 07 52					
August 20, 1965	608	8822	173.46E	22 47 11	15.3	7.3	167.5	38.8	30.8
August 21, 1965	609	8823	148.32E	00 26 31	15.3	7.4	167.5	38.8	30.8
"	609	8824	123.17E	02 05 51					
"	609	8825	098.02E	03 45 11					
"	609	8826	072.88E	05 24 31					
"	609	8827	047.73E	07 03 51					
August 21, 1965	609	8828	022.59E	08 43 11					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
August 21, 1965	609	8829	002.56W	10 22 31					
"	609	8830	027.70W	12 01 51					
"	609	8831	052.85W	13 41 11					
"	609	8832	077.99W	15 20 31					
"	609	8833	103.14W	16 59 50					
"	609	8834	128.29W	18 39 10					
"	609	8835	153.43W	20 18 30					
"	609	8836	178.58W	21 57 50					
August 21, 1965	609	8837	156.26E	23 37 10	15.8	9.5	167.4	38.2	30.2
August 22, 1965	610	8838	131.11E	01 16 30	15.8	9.6	167.4	38.2	30.2
"	610	8839	105.97E	02 55 50					
"	610	8840	080.82E	04 35 10					
"	610	8841	055.68E	06 14 30					
"	610	8842	030.53E	07 53 50					
"	610	8843	005.38E	09 33 10					
"	610	8844	019.76W	11 12 29					
"	610	8845	044.90W	12 51 49					
"	610	8846	070.05W	14 31 09					
"	610	8847	095.19W	16 10 29					
"	610	8848	120.34W	17 49 49					
"	610	8849	145.49W	19 29 09					
"	610	8850	170.64W	21 08 29					
August 22, 1965	610	8851	164.21E	22 47 49	16.3	10.7	166.9	38.4	30.0
August 23, 1965	611	8852	139.06E	00 27 09					
"	611	8853	113.91E	02 06 29					
"	611	8854	088.77E	03 45 49					
August 23, 1965	611	8855	063.62E	05 25 09					

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
August 23, 1965	611	8856	038.48E	07 04 29					
"	611	8857	013.32E	08 43 48					
"	611	8858	011.81W	10 23 08					
"	611	8859	036.96W	12 02 28					
"	611	8860	062.10W	13 41 48					
"	611	8861	087.25W	15 21 08					
"	611	8862	112.40W	17 00 28					
"	611	8863	137.54W	18 39 48					
"	611	8864	162.69W	20 19 08					
"	611	8865	172.15E	21 58 28					
August 23, 1965	611	8866	147.01E	23 37 48					
August 24, 1965	612	8867	121.84E	01 17 08	17.0	12.1	166.5	38.5	30.0
"	612	8868	096.69E	02 56 28					
"	612	8869	071.55E	04 35 48					
"	612	8870	046.40E	06 15 08					
"	612	8871	021.25E	07 54 28					
"	612	8872	003.88W	09 33 47					
"	612	8873	029.03W	11 13 07	17.3	12.5	166.3	38.6	29.9
"	612	8874	054.18W	12 52 27					
"	612	8875	079.33W	14 31 47	17.4	12.7	166.3	38.6	29.9
"	612	8876	104.47W	16 11 07	17.4	12.8	166.3	38.6	29.9
"	612	8877	129.62W	17 50 27					
"	612	8878	154.76W	19 29 47	17.5	12.9	166.2	38.6	29.9
"	612	8879	179.91W	21 09 07	17.5	13.0	166.2	38.6	29.9
August 24, 1965	612	8880	154.93E	22 48 27					
August 25, 1965	613	8881	129.79E	00 27 47	17.6	13.2	166.2	38.7	29.9
August 25, 1965	613	8882	104.64E	02 07 07	17.7	13.3	166.2	38.7	30.0

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d	e	f	g	h	i	
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	ASCENDING NODE Time (UT) (Hr Min Sec)	$t_o$ (Min AAN)	$n_o$ (Deg)	RA SA (Deg)	DEC SA (Deg)	GAMMA (Deg)
August 25, 1965	613	8883	079.49E	03 46 27	17.7	13.3	166.2	38.7	30.0
"	613	8884	054.34E	05 25 46					
"	613	8885	029.20E	07 05 06					
"	613	8886	004.05E	08 44 26					
"	613	8887	021.08W	10 23 46					
"	613	8888	046.23W	12 03 06					
"	613	8889	071.38W	13 42 26					
"	613	8890	096.53W	15 21 46	18.1	13.9	166.3	38.8	30.1
"	613	8891	121.67W	17 01 06					
"	613	8892	146.82W	18 40 26					
"	613	8893	171.97W	20 19 46	18.3	14.1	166.3	38.9	30.2
"	613	8894	162.88E	21 59 06					
August 25, 1965	613	8895	137.73E	23 38 25	18.4	14.3	166.4	38.9	30.2
August 26, 1965	614	8896	112.59E	01 17 45	18.5	14.4	166.4	38.9	30.2
"	614	8897	087.43E	02 57 05					
"	614	8898	062.29E	04 36 25					
"	614	8899	037.14E	06 15 45					
"	614	8900	012.00E	07 55 05					
"	614	8901	013.14W	09 34 25					
"	614	8902	038.29W	11 13 45					
"	614	8903	063.44W	12 53 05					
"	614	8904	088.58W	14 32 25					
"	614	8905	113.73W	16 11 45					
"	614	8906	138.87W	17 51 05					
"	614	8907	164.02W	19 30 24					
"	614	8908	170.82E	21 09 44					
August 26, 1965	614	8909	145.67E	22 49 04	19.1	15.5	166.5	38.8	30.3

TABLE A-2

## TIROS VIII OPERATIONAL ATTITUDE DATA

a	b	c	d		e	f	g	h	i
DATE	JULIAN DAY	ORBIT NUMBER	ASCENDING NODE Longitude (Deg)	Time (UT) (Hr Min Sec)	t <sub>o</sub> (Min AAN)	n <sub>o</sub> (Deg)	R.A.S.A (Deg)	DEC SA (Deg)	GAMMA (Deg)
August 27, 1965	615	8910	120.53E	00 28 24	19.2	15.6	166.6	38.9	30.4
"	615	8911	095.38E	02 07 44					
"	615	8912	070.23E	03 47 04					
"	615	8913	045.09E	05 26 24					
"	615	8914	019.94E	07 05 44					
"	615	8915	005.20W	08 45 04					
"	615	8916	030.34W	10 24 24					
"	615	8917	055.49W	12 03 44					
"	615	8918	080.63W	13 43 04					
"	615	8919	105.78W	15 22 23					
"	615	8920	130.93W	17 01 43					
"	615	8921	156.08W	18 41 03					
"	615	8922	178.76E	20 20 23					
"	615	8923	153.62E	21 59 43					
August 27, 1965	615	8924	128.48E	23 39 03	20.5	16.7	169.1	39.4	31.7
August 28, 1965	616	8925	103.33E	01 18 23	20.5	16.8	169.0	39.4	31.6
"	616	8926	078.18E	02 57 43					
"	616	8927	053.03E	04 37 03					
"	616	8928	027.89E	06 16 23					
"	616	8929	002.74E	07 55 43					
"	616	8930	024.00W	09 35 02					
"	616	8931	047.55W	11 14 22					
"	616	8932	072.69W	12 53 42					
"	616	8933	097.83W	14 33 02					
"	616	8934	122.99W	16 12 22					
"	616	8935	148.13W	17 51 42					
"	616	8936	173.28W	19 31 02					
"	616	8937	161.57E	21 10 22					
"	616	8938	136.42E	22 49 42	20.9	17.5	167.6	39.0	30.9

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## APPENDIX B

### TIROS VIII SUBPOINT TRACK

Table B-1 lists the orbital elements of TIROS VIII for Epoch 07 February 1965, at 09 42 00 UT.

Figure B-1 presents a typical TIROS VIII orbital track on a Mercator map. A "slide rule" version of this figure is included in Volume I, and provides a convenient method for spatial location of the satellite using the Ascending Node longitudes given in Table A-2. If Volume I is not available, a substitute can be manufactured by tracing the orbit track onto transparent material. The tic-marks on the track are in units of minutes after ascending node, labeled every tenth minute.

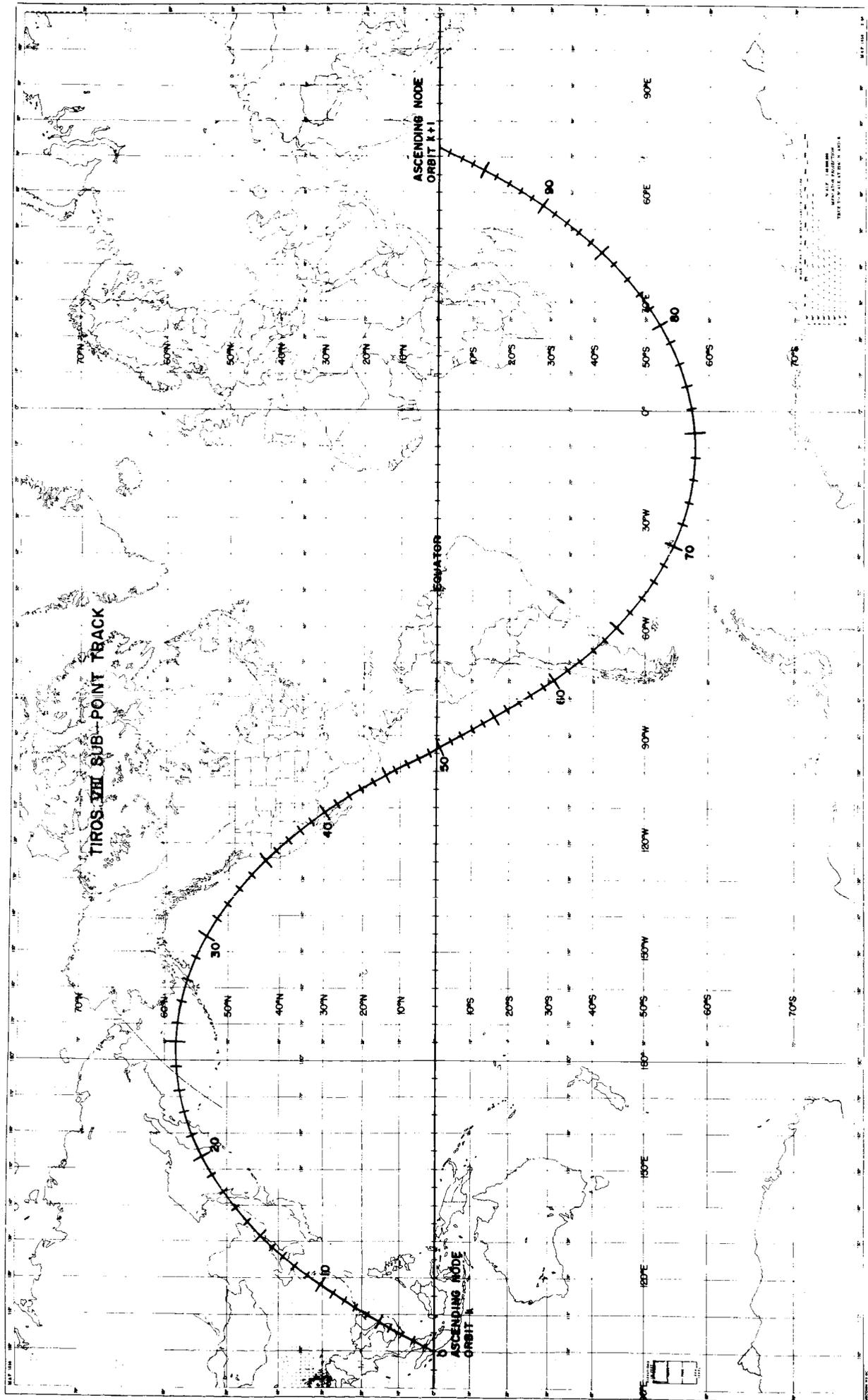
TABLE B-1

## SAMPLE ORBITAL ELEMENTS

EPOCH 07 February 1965; 09 42 00 Universal Time

SEMI-MAJOR AXIS	07105.58	KILOMETERS
ECCENTRICITY	0.00281	
INCLINATION	58.504	DEGREES
MEAN ANOMALY	340.533	DEGREES
ARGUMENT OF PERIGEE	281.283	DEGREES
/ MOTION	+ 1,2455	DEG/DAY
RIGHT ASCENSION OF ASCENDING NODE	97.991	DEGREES
/MOTION	- 3.5663	DEG/DAY
ANOMALISTIC PERIOD	99.34469	MINUTES
/MOTION	+ 0.00000	MIN/DAY
HEIGHT OF PERIGEE	707.25	KILOMETERS
HEIGHT OF APOGEE	747.13	KILOMETERS
VELOCITY AT PERIGEE	27048.	KM/HR
VELOCITY AT APOGEE	26889.	KM/HR
GEOCENTRIC LATITUDE OF PERIGEE -	56.741	DEGREES

FIG. B-1



## REFERENCES

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2. Bandeen, W.R. and W.P. Manger, 1960: "Angular Motion of the Spin Axis of the TIROS I Meteorological Satellite Due to Magnetic and Gravitational Torques," Journal of Geophysical Research, 65, (9), p. 2992.
3. U.S. Weather Bureau, Meteorological Satellite Activities, 1962: Documentation for TIROS III Television Data, Meteorological Satellite Laboratory, Report No. 9, Washington, D.C.
4. U.S. Weather Bureau, Department of Commerce, 1965: Catalogue of Meteorological Satellite Data - TIROS VIII Television Cloud Photography, Key to Meteorological Records Documentation No. 5.38, Washington, D.C., (Part I covers orbits 1-2662; 21 December 1963 to 21 June 1964; data for subsequent orbits will be published later).
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